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# Annual Architectural Review, 1891.

EDITED BY

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Smith, T. & Co., 50 and 51 Lime Street, Smith, E.C.

White, W., Abergavenny.

#### DECORATING, &c.:-

Cotterell Bros., 11 Clare St., 8 Baldwin St., and 2 and 6 Marsh St., Bristol.

Hanks, H., 39 Berners Street, W. \*Howard & Sons, 25, 26, 27 Berners Street,

Pitman & Son, 30 Newgate Street, E.C.

#### DOOR SPRINGS AND HINGES :-

Adams, R., 67 Newington Causeway, S.E. Hart, Son, Peard, & Co., 53—58 Wych Street, W.C.; and 168 Regent Street, Hart. Street, W.

Hindle, No. Norton, & Co., Ironmonger Lane,

Newman, William & Sons, Hospital Street, Birmingham. Michelmore & Reap, 36a Borough Road,

Smith & Turner, 50 Bartholomew Close, E.C. Smith & Stevens, Janus Works, Queen's Road,

Battersea, S.W. \*Verity, E. & J. M., Call Lane, Leeds.

DRAINAGE :-Sanitary and Domestic Engineering Co., Pro-prietor Irwin C. Wallas, The Sanitary Works, Kilburn, N.W. Winser & Co., 52 Buckingham Palace Road,

neaton, J., Son & Co., 56 Great Queen Street, W.C. \*Smeaton,

#### DRAIN TESTS :-

Baird, Thompson, & Co,, 165 Queen Victoria Street, E.C.

Pain, J. & Sons, 9 St. Mary Axe, E.C. \*Smeaton, J., Son & Co., 56 Great Queen Street, W.C.

#### EARTH CLOSETS :-

Baird, Thompson, & Co., 165 Queen Victoria Street, E.C. Parker, W. F., Worcester Place Works, Oxford.

#### ELECTRICITY :-

Barclay & Son, 138 Regent Street, W.
\*Benham & Sons, Wigmore Street, W.
Brompton Electric Fittings Co., Ltd., 146
Brush Electrical Engineering Co., Ltd., Belvedere Road, Lambeth, S.E.

Croggon & Co., Ltd., 16 Upper Thames Street,

E.C. Dickinson, F. W., 16 East Parade, Leeds,

Edison, Swan, Co., Ltd., 14 St. Ann's Square, Manchester.

Morcester House, Walbrook, E.C. Faraday & Son, 3 Berners Street, W. Gray, J. W. & Son, 115 Leadenhall Street, E.C.

India Rubber, Gutta Percha and Telegraph Works Co., Ltd., 106 Cannon Street, E.C.

Joel, Henry F. & Co., 31 Wilson Street, Fins-

Joel, Henry F. & Co., of Whook Science, bury, E.C. Johnson & Phillips, 14 Union Court, Old Broad Street, E.C. Laing, Wharton, & Down, 82a New Bond

Laing, Wharton, & Down, 82a New Bond Street, W. Lawrence, Scott, & Co., Ltd., Gothic Works, Norwich.

Mills, Walker & Co., 19 Charterhouse Street, E.C.

\*Phipps, Rashleigh & Dawson, 53 Berners

Street, W. Sax, J., Ridgmount Street, Store Street, W.C.

Sharp & Kent, 34 Victoria Street, Westminster, S.W.

\*Smeaton, J., Son & Co., 56 Great Queen Street, W.C. Strode & Co., 48 Osnaburgh Street, Regent's Park, N.W. Tyler (Haywurd), & Co., 90 and 92 Whitecross

Street, E.C. Wenham Co., Ltd., Upper Ogle Street, Fitzroy Square, W.
\*Woodhouse & Rawson, United, 88 Queen Vic-

toria Street, E.C.

#### ELECTRIC BELLS:-

\*Benham & Sons, Wigmore St., W. Berry, F. H., 18 Percival Street, E.C. Cox & Co., 11 Fetter Lane, E.C. Gent & Co., Faraday Works, Leicester. Price, Talbot & Co., Ltd., 26 Ludgate Hill, Sax, Julius, Ridgmount Street, Store Street, W.C.

\*Smeaton, J., Son & Co., 56 Great Queen Street, W.C. Teuton & Robottom, 221 Upper Thames Street,

\*Woodhouse & Bawson, United, Ltd., 88 Queen Victoria Street, E.C.

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Campbell Gas Engine Co., Ltd., Halifax, Yorks. Manlove, Alliott & Co., Ltd., Bloomsgrove Works, Nottingham.

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ENGINES, MORTAR MILLS, &c. :-

Barrows & Co., Banbury, Oxon.
Brown, Houghton, Brothers, Kingsbury Iron
Works, Balls Pond, N.
Clark, Bunnett, & Co., Ltd., 30 King Street,
Cheapside, E.C.

Cheapside, E.C.
Lewis & Lewis, Cambridge Heath Station,
N.E.
Lewis & Lewis, Wandsworth Bridge Wharf,
Townmead Road, Fulham, S.W.
Marshall, Sons, & Co., Ltd., Marshall's Build-

ings, 79 Farringdon Road, E.C. Reynolds, F. W. & Co., Acorn Wor Edward Street, Blackfriars Road, S.E.

Smedley Bros., Eagle Ironworks, Belper,

Derbyshire. Studd, A. D. & Co., Kettering. Sykes, H., 66 Bankside, Southwark, S.E.

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Baird, Thompson, & Co., 165 Queen Victoria Street, E.C. Ball, H. A., 12 and 13 Chiswell Street; and 2 Artillery Court, Finsbury, E C.
Hill, J., 100a Queen Victoria Street, E.C.
Leggott, W. & R., 235 High Holborn, W.C.
\*Verity, E. & J. M., Call Lane, Leeds.

#### FIREPROOF FLOORING: -

Fawcett, M. & Co., 50 Queen Ann's Gate, Westminster, S.W. Homan & Rodgers, 17 Gracechurch Street, E.C.

E.C. Lindsay, W. & Co., 23 Queen Anne's Gate, Westminster, S.W. Wilkinson, W. B. & Co., 15 Great George Street, Westminster, S.W.

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Tower Furnishing Co., Ltd., 43 Great Tower Street, E.C.

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#### GAS GOVERNORS:-

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GATES, RAILINGS (IRON), &c. :-Bayliss, Jones & Bayliss, 139 and 141 Cannon

Street, E.C. Butterfield, F. & J. & Co., Ltd., Keighley, Yorks.

Jones, J. G. & Co., Cannon Iron Foundry, 156 Goswell Road, E.C. n, A. & J. & Co., 77a Queen Victoria Street, E.C.

Wragge, George, 156 Chapel Street, Salford, Manchester.

Wright, G. & Co., 155 Queen Victoria Street,

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Baillie & Lutalyche, 187 Wardour Street,
Oxford Street, W.
Duff, John, 64 Charlotte Street, Fitzroy
Square, W.
Egan, James, 38 Broad Street, Golden Square,
W. Farmiloe, G. & Sons, 34 St. John Street, West Smithfield, E.C. Farmiloe, T. & W., Rochester Row, West-minster, S.W. Gibbs, Alexander, 21 Bloomsbury Street, W.C.

Hemming, A. O., 47 Margaret Street, Caven dish Square, W. Kelley & Co., 45 Tabernacle Street, Finsbury, Lavers, Westlake, & Barraud, Endell Street, W.C.

Lee, John R. & Co., Ltd., Swallow Street, Birmingham, Nicholls & Clarke, 6 High Street, Shoreditch,

E. Peters, J. W. & Co., 5 Redcross Street, Southwark Street, S.E.
Shrigley & Hunt, John-o'-Gaunt's Gate,

Lancaster. Winfields, Ltd., Cambridge Street Works, Birmingham.

Young and Marten, Caledonian Works, Stratford, E.

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Grover & Co., Ltd., Britannia Works, Wharf Road, City Road, N.
Helliwell's, 5 Westminster Chambers, Victoria Street, S.W.
Helliwell, T. W. 9 Victoria Street, S.W.
Lazenby, George, Leeds Bridge, Leeds.
Mellowes & Co., Sheffield.
Pennycook Patent Glazing Co., 11 West Regent.

Pennycow Co., Shemeid.
Pennycow Patent Glazing Co., 11 West Regent Street, Glasgow.
Rendle, W. E. & Co., Westminster Chambers, 5 Victoria Street, S.W.
Shelly & Co., 55 Lionel St., Birmingham.

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S.W. Hosken, W. & Co., Penryn, Cornwall.
Mactonald, A. & Co., 373 Euston Road, N.W. Patteson, J. & H., 36 and 38 Oxford Street,
Manchester.

West of England Granite Co., Penryn, Cornwall. Wright, James & Sons, Royal Granite Works, Aberdeen.

#### HEATING :-

Eolus Waterspray, &c., Co.
Aldous & Son, Ltd., Walsingham House,
Piccadilly, W.
Attwood, J., Stourbridge.
Baird, Thompson, & Co., 165 Queen Victoria

Street, E.C.

\*Benham & Sons, Wigmore St., W. Boyd, Jas. & Sons, Paisley. Bradley Bros., Bolton Street, Ramsbottom,

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Street, W.

Gibbs, Renton, Liverpool. Green, Thos. & Son, Ltd., Leeds and Surrey Works, Blackfriars Road, S.E. \*Grundy, John, 30 Duncan Terrace, City Road,

Hartley & Sugden, Ltd., Halifax, Hayward Bros. & Eckstein, Union Street,

Hayward Bros. & Eckstein, Union Street, Borough, S.E.

\*Hope, H., 55 Lionel Street, Birmingham.
Jackson, W., 65 Moor Street, Birmingham.
Jennings, G., Lambeth Palace Road, S.E.
Jones & Attwood, Stourbridge.
Killick & Cochran, Seel Street, Liverpool.
King, John, Ltd., Benson Street, Liverpool.
\*Longden & Go., Phænix Foundry, Sheffield.
Lumby, Son & Wood, Ltd., Hallfax.
Meadow Foundry Co., Ltd., Mansfield.
Messenger & Co., Loughborough.
Newsum, Wood & Dyson, Beeston Road,
Leeds.

Leeds. Rosser & Russell, 22 Charing Cross, S.W. Saunders, S., Upper Mop Lane, Hulme, Manchester.

Seward, A. & Co., Lancaster.
Shore, T. & Sons, Hanley, Staffordshire.
\*Smeaton, J., Son & Co., 56 Great Queen
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Strode & Co., 48 Osnaburgh Street, Regent's
Fark, N.W.

Thames Bank Iron Co., Upper Ground Street,

Wenham Co., Ltd., Upper Ogle Street, Fitzroy Square, W. Wright, G. & Co., 155 Queen Victoria Street E.C.

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\*Equitable Life Assurance Society, Mansion House Street, E.C.

#### JOINERY :-

Ashbee & Son, Gloucester.
Chappell, J. T., 149 Lupus Street, S.W.
Edwardes & Co., Crescent Works, Weymouth
Terrace, Hackney Road, N.E.
Elliott, S., Albert Moulding Mills and Joinery
Works, Newbury.
Fraser's, Chas., Exors, Norwich.
Hedges & Furze, 105 and 109 Durham Road,
Holloway, N.
\*Howard & Sons, 25, 26, and 27 Berners Street,
W.

Lockhart, Alfred, Ekman's Wharf, 33 Wharf

Road, City Road, N. Lascelles, W. H. & Co., 121 Bunhill Row, E.C.

Sage, F. & Co., 58 to 62 Gray's Inn Road, W.C.

W.C.
Sessions & Sons, Docks, Gloucester.
Turpin's Parquet Floor, Joinery & Wood
Carving Co., Ltd., 22 Queen's Road,
Bayswater, W.
Worsley, R. E. & Co., Gray's Inn Joinery
Works, Henry Street, Gray's Inn Road,
W.C.

W.C.

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Croydon. Manlove, Alliott & Co., Ltd., Bloomsgrove Works, Nottingham.

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Attwood, A. & Co., Canal Head Foundry &
Engineering Works, Ulverston.
\*Benham & Sons, Wigmore Street, W.

\*Benham & Sons, Wigmore Street, W. Clark, Bunnett, & Co. Ltd., 30 King Street, Cheapside, E.C.
Dell, W. R. & Son, 26 Mark Lane, E.C.
Haskins, S. & Bros., 24 Old Street, E.C.
Mallinson, William, Blake Street, Stretford Road, Manchester.
Pickerings, Ltd., Stockton-on-Tees.
Potter, T. & Sons, 44 South Molton Street, & 361 Oxford Street, W.
Richmond, Joseph & Co., 30, Kirby Street, Hatton Garden, E.C.
Smith & Stevens, Janus Works, Queen's Road, Battersea, S.W.
Stannah, J. 20 Southwark Bridge Road, S.E.
Stones, John, Ross-side, Ulverstone.
Waller, G. & Co., Park Street, near Southwark
Bridge, S.E.

Bridge, S.E. Youngs, Ryland Street Works, Birmingham.

LIGHTNING CONDUCTORS :-

Bailey, W. H. & Co., Albion Works, Salford, Manchester.

Blackburn, J., Gresham Works, Nottingham. Bowker, Wm. & Co., Spring Street, Huddersfield.

Croggon & Co. Ltd., 16 Upper Thames Street, E.C

Dixon & Corbitt & R. S. Newall & Co., Ltd. 32 Gt. St. Helens, E.C., 130 Strand, W.C., 73 Garford St., Poplar, E., London; 7 New Quay, Liverpool; 68 Anderston Quay, Glasgow; Works: Gateshead-on-Tyne & Cardiii Cardiff.

Gent & Co., Faraday Works, Leicester. Price Talbot and Co. Ltd., 26 Ludgate Hill,

Sax Julius, Ridgmount Street, Store Street, W.C.

#### LIME, SAND, &c.: --

Barham Brothers, Bridgwater, Brockham Brick Co. Ltd., Brockham, near

Bletchworth.
Burham Brick, Lime, &c., Co., 7 Nicholas
Lane, Lombard Street, E.C. Cliff, J. & Sons, Baltic Wharf, Waterloo Bridge, S.E.

S.E. Coles, Shadbolt, & Co., Thornhill Wharf, Caledonian Road, N. Davies, John & Co., Lliswerry, near Newport, Mon., Aberthaw Blue Lias, Hydraulic. Ellis, J. & Sons, S Market Street, Leicester. Greaves, Bull, & Lakin, Warwick. Nelson, C. & Co., 16 South Wharf, Paddington W

W. W. Parry, H. & Co., Kirton Lindsey, Lincolnshire. Peters Bros., 2 Victoria Mansions, Westminster, S. W. Richardson, A. & W. T., Brunswick Wharf, Vauxhall, S.E.

Rugby Portland Cement Co., Rugby, Warwickshire.

Sessions & Sons, Docks, Gloucester. Young and Marten, Caledonian Stratford, E. Works.

#### LOCKS AND LATCHES :-

Boobbyer, J. H. & Sons, 13 & 14 Stanhope Street, W.C. Hart, Son, Peard & Co., 53-58 Wych Street,

Hart, Son, Peard & Co., 53-58 Wych Street, and 168 Regent Street.

Harley, Geo. & Co., Wolverhampton.

Hill, J., 100a, Queen Victoria Street, E.C.

\*Hobbs, Hart, & Co. Ltd., 76 Cheapside, E.C.

Owens, H. T., 12 Bath Street, Birmingham.

Tann, John, Newgate Street, E.C.

\*Verity, E. & J. M., Call Lane, Leeds.

#### MARBLE:-

Barham Brothers, Marble & Slate Works,

Bridgwater.

Colles, Richard, Marble Mills, Kilkenny, Ireland.

Ireland.
Congdon & Powell, 155 Buckingham Palace
Road, S.W.
Emley & Sons, Ltd., Newcastle-upon-Tyne.
Fabbricotti, B., Carrara Wharf, Grosvenor
Road, Pimlico, S.W.
Farmer & Brindley, 63 Westminster Bridge

Road, S.W.
Galbraith & Winton, 48 Kelvin Street, Glasgow.
Goad, J. & E., Phœnix Steam Marble Works,
Millbay Road, Plymouth.
Lomas, R. G., King Street, Derby.

Odling, Anselm, Marble Wharf, St. Catharine's Docks, E. Patteson, J. & H., 36 & 38 Oxford Street,

Manchester. Sessions & Sons, Docks, Gloucester.

#### MOSAIC WORK:-

Burke & Co., 17 Newman Street, Oxford Street, W. De Grelle Houdrett & Co., 130 London Wall,

E.C.

Diespeker & Co., 40 Holborn Viaduct, E.C. Ebner, J. F., 150 Old Street, E.C. Mainzer & Kempthorne, 18 Berners Street. W. Patteson, J. & H., 36 & 38 Oxford Street, Manchester.

Salviati & Co., 213 Regent Street, W.

Swift, George, 45 The Temple, Dale Street, Liverpool.

Turpin's Parquet Floor, Joinery, & Wood Carving Co., Ltd., 22 Queen's Road, Bayswater, W.

#### ORGAN BUILDERS :-

\*Gern, A., Boundary Road, Notting Hill, W.

#### PARQUET FLOORING :-

Arrowsmith, Arthur J. & Co., 80 New Bond

Street, W. Bassant, H., 87 Charlotte Street, Fitzroy Square, W.

De Grelle Houdrett & Co., 130 London Wall, E.C.

Ebner, J. F., 150 Old Street, E.C

Ebner, J. F., 150 Old Street, E. C.
Hindley, 290-294, Oxford Street, W.
\*Howard & Sons, 25. 26, 27 Berners Street, W.
Mainzer & Kempthorne, 18 Berners Street, W.
Steinitz, C. & Co., London Parquetry Works,
Camberwell Hall, S.E., by special appointment to H. R. H. Prince of Wales.
Turpin's Parquet Floor, Joinery and Wood-Carving Co. Ltd., 22 Queen's Road, Bayswater, W.
Westminster Patent Flooring Co., Stanley
Bridge Wharf, 537n King's Road, Chelsea,
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#### PAVEMENT LIGHTS :-

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Hayward Bros. & Eckstein, Union Street,
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Wilson & Co., 117 Charterhouse Street, E.C.

#### PLASTERING, (ORNAMENTAL &c.);-

Adamant Co. Ltd., 105 Colmore Row, Rirmingham

Bowden & Dorrel, 73 Endell Street, Bloomsbury, W.C. Jackson, G. & Sons, 49 Rathbone Place, W.

#### PLUMBING:-

\*Benham & Sons, Wigmore St., W.

Sanitary and Domestic Engineering Co., Pro-prietor Irwin C. Wallas, The Sanitary Works, Kilburn, N.W. \*Smeaton, J., Son & Co., 56 Great Queen Street,

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#### PUMPS AND PUMPING ENGINES :-\*Benham & Sons, Wigmore St., W.

#### RAIN-WATER PIPES :-

Gregson,J., "Perfectum," Bath Street, Bolton, Lancashire.

#### ROOFING FELT :-

Engert & Rolfe, London Felt Works, Barchester Street, Poplar, E.

#### ROOFS AND BUILDINGS (IRON):-

Clark, Bunnett, & Co., Ltd., 30 King Street, Cheapside, E.C. Croggon & Co., Ltd., 16 Upper Thames Street,

Harbrow, South Bermondsey Station, S.E. Humphreys, J. C., Albert-gate, Hyde Park,

S.W.
Leixon, Isaac & Co., Windsor Iron Works,
Edge Hill, Liverpool.

Edge Hill, Liverpool.

Marshall & Hatch, Bingfield Iron Works, York
Road, King's Cross, N.

Motley & Green, St. George's Works, Great
George Street, Leeds.

\*Smeaton, J., Son & Co., 56 Great Queen
Street, W.C.

Treggon & Co., York Works, Brewery Road,
N.

ROOFS, (ZINC, COPPER, AND LEAD):-Braby, F. & Co., 252-26? Euston Road, N.W. Helliwell, T. W., Brighouse, Yorkshire. \*Smeaton, J., Son & Co., 56 Great Queen Street, W.C. Treggon & Co., York Works, Brewery Road,

SAFES AND STRONG-ROOM DOORS :-\*Hobbs, Hart, & Co., Ltd., 76 Cheapside, E.C. Lumby, Son, & Wood, Ltd., Halifax. Tann, John, Newgate Street. E.C. Taunton, J. & J., Belgrave Works, Sherbourne Road, Birmingham.
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ham.

#### SANITARY APPLIANCES :-

\*Adams, R., 67 Newington Causeway, S.E.

Adams & Co., 10 Little Queen Street, West-minster, S.W. Andrew, & Nanson, Brixton Road, S.W. Baird, Thompson, & Co., 165 Queen Victoria

Baird, Thompson, & Co., 165 Queen Victoria Street, E.C.
Bostel, D. T., 73 Ebury Street, Pimlico, S.W.
Bowes, Scott, & Western, Broadway Chambers, Westwinster, S.W.
Brazier & Son, 106 Blackfriars Road, S.E.
Clark, T. & C. & Co., Wolverhampton.
Crapper, T. & Co., Marlborough Works, Chelsea, S.W.
Duckett & Son, Browley, Luncashite

Duckett & Son, Bromley, Lancashire. Farmiloe, G. & Sons, 34 St. John Street, West Smithfield, E.C.

Hayward Bros. & Eckstein, Union Street, Berough, S.E. \*Hughes & Lancaster, Chester, and 16 Great

George Street, Westminster, S.W.

Jennings, G., Stangate, Lambeth, S.E. Jones, Browning, & Co., Farnworth, Widnes, Pontifex & Wood, Ltd., Farringdon Works,

Sessions, J. & Sons, Gloucester. Shanks & Co., Tubal Works, Barrhead, near Glasgow

Guasgow.

Shrewsbury, G., 36 Gray's Inn Road, W.C.

\*Smeaton, J., Son & Co., 56 Great Queen
Street, W.C.

Stidder, J. G. & Co., 47 Oxford Street, W.

Stiff, J. & Sons, London Pottery, Lambeth,
S.E.

\*Twyford, T. W., Cliffe Vale Pottery, Hanley, Staffordshire.

Waller, G. & Co., Park Street, Southwark, S.E.

Winn, C. & Co., Birmingham. Winser & Co., 52 Buckingham Palace Road, S W

Woodward & Rowley, Swadlincote, near Burton-on-Trent. Yates, Haywood, & Co., 95 Upper Thames

Street, E.C.

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#### SANITARY WARE:-

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Cliff, J. & Sons, Battle Bridge, S.E.
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\*Farnley Iron Co., Ltd., 77 Queen Victoria
Street, E.C.

Clark & Canning, Tamworth.

Co. Stoke-npon-Trent.

Coss.

Gibbs & Canning, Tamworth. Hartshill Brick & Tile Co., Stoke-upon-Trent. Hawker, W. C., 94 York Road, King's Cross,

N.
Jennings, G., Stangate, Lambeth, S.E.
Knowles, J. & Co., 38 King's Road, St. Pancras, N.W.
Leds Fireclay Co., Ltd., Shibden Hall Works,
Hipperholme, Yorks.
Richardson, A. & W. T., Brunswick Wharf,
Vauxhall, S.E.
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Sessions, J. & Sons, Gloncester.
Shank & Co., Tubal Works, Barrhead, near
Glasgow.

Glasgow.

Sharpe Bros. & Co.. Swadlincote Potteries, near Burton-on-Trent.

Shrewsbury, G., 36 Gray's Inn Road, W.C. Skey, G. & Co., Ltd., Wilnecote Works, near Tamworth.

Son & Co., 56 Great Queen \*Smeaton, J., S Street, W.C.

Street, W.C.
Smith, T. & Co., 50 and 51 Lime Street, E.C.
Stanley, Bros., Nuneaton.
Stiff, J. & Sons, Lambeth, S.E.
\*Twyford, T. W., Cliffe Vale Pottery, Hanley.
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Woodward & Rowley, Swadlincote, near Burton-on-Trent.

Winser & Co., 52 Buckingham Palace Road, S.W.

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Congdon & Powell, 155 Buckingham Palace

Congon & Power, 155 Buckingham Parace Road, S.W. Darbishire, W. A., Pen-yr-Orsedd Quarry, Nantiee, Penygroes, R.S.O. Hooper & Ashby, Southampton. Llangollen Slab and Slate Co., Ltd., Llan-

gollen.

Richardson, A. & W. T., Brunswick Wharf,

Naushall, S.E.

\*Roberts, Adlard, & Co., 47 Eastcheap, E.C.
Sessions, J. & Sons, Gloucester.

Young & Marten, Caledonian Works, Stratford,

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Cottam & Willmore, 2 Winsley Street, Oxford Street, W. Green, Thos. & Son, Ltd., Leeds. Marshall & Hatch, Bingfield Iron Works, York Road, King's Cross, N. \*Musgrave & Co., Ltd., Ann Street. Iron Works and Cromae Foundry, Belfast. Young & Co., 12 Victoria Street, Westminster, S.W.

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Cottam & Willmore, 2 Winsley Street, Oxford Street, W. Hayward Bros.

Hayward Bros. & Eckstein, Union Street, Borough, S.E. Jones, J. G. & Co., Cannon Iron Foundry, 156 Goswell Road, E.C. Marshall & Hatch, Bingfield Iron Works, York Road, King's Cross, N. Wright, G. & Co., 155 Queen Victoria Street, E.C. & Eckstein, Union Street,

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Freeman, W. & J. R., 64 Millbank Street,

S.W. Gabriel, Joseph S., Grellier's and Canterbury Wharves, Belvedere Road, Lambeth,

S.E.

Ham Hill Stone Co., Norton, Stoke-underHam, Somerset.

Lilly, T. P., Gillingham, Dorset.

Lindley Quarries, Mansfield, Notts.

Nowell & Robson, Warwick Road, Kensington, W.

Patteson, J. & H., 36 and 38 Oxford Street,
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Sessions & Sons, Docks, Gloucester.

Thompson's Ancaster Quarries Co., Ltd., 11

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and Cromac Foundry, Belfast.
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Wright, G. & Co., 155 Queen Victoria Street,
E.C.
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Yates, Haywood & Co., Ltd., 95 Upper Thames Street. E.C. Young & Marten, Caledonian Works, Stratford,

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near Loughborough, Leicestershire.
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Street, E.C. Brough & Son, Silverdale Tileries, near New-

castle, Staff.

Broseley Tile Manufacturers Association,
Broseley, Shropshire.

Caddick, John, Sproutfield Tileries, Stoke-on-Trent.

Carter, Alfred T. S., 288, 290, and 22 Broc ley Road, Brockley, S.E. Carter & Co., Encaustic Tile Works, Poole,

Dorset.

Craven, Dunnill & Co., Ltd., Jackfield, Iron-bridge, Shropshire, and 37 Maddox St., Regent St., W.

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gow. & Sons, Lugwardine Works, Withington, near Hereford. Hamblet, J., West Bromwich, Staffordshire. Hartshill Brick & Tile Co., Stoke-upon-

Trent. Hawker, W. C., 94 York Road, King's Cross,

N.

N.
Lane End Works, Ltd., 200 and 202 Phenix
Street, St. Pancras, N.W.
Larmanjat Tile Works, Manor Street, Clapham, S.W.
Madeley Wood Co., Madeley Wood, Ironbridge, Shropshire.
Major, H. J. & Co., Bridgwater.
Malkin, Edge & Co., Burslem, Staffordshire.
Maw & Co., Ltd., Benthall Works, Jackfield,
Salop.

Salop. Minton, Hollins & Co., Patent Tile Works, Stoke-upon-Trent.

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Stourbridge, Prestage & Co., Broseley, Salop. Richardson, A. & W. T., Brunswick Wharf, Vauxhall, S.E.

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W C

Stanley, Bros., Nuneaton. Warne, C. G., Royal Pottery, Weston-Super-

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S É Sessions & Sons, Docks, Gloucester. Snewin, C. B. N., 7-17 Back Hill, Hatton

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Benson, J. W., 62 and 64 Ludgate Hill, E.C. Carr, C., Smethwick.
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Borough, S.E.

Howorth, James & Co., Victoria Works, Farn-

Howorth, James & Co., Victoria Works, Farnworth, near Bolton.

Kershaw, A. W. & Co., Custom House Buildings, `L. George's Quay, Lancaster.

King, John, Ltd., Benson Street, Liverpool.

Kite, C. & Co., Christopher Works, Charlton Street, N.W.

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Garden, E.C. Sanitary and Domestic Engineering Co., Proprietor Irwin C. Wallas, The Sanitary Works, Kilburn, N.W.

\*Smeaton, J., Son & Co., 56 Great Queen Street, W.C. Sugg, Wm. & Co., Ltd., Vincent Works, West-

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Lowe, Roger, L., Farnworth, Bolton, near Manchester. Vigers, Bros., 214 Pavilion Road, Sloane Square, Chelsea. S.W. Westminster Patent Flooring Co., Stanley Bridge Wharf, 587b King's Road, Chelsea, S.W.

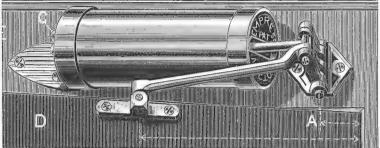
Wood Block Flooring Co., 22 Charing Cross, S.W.

Perfection in Improved Patented Specialities of the Building Trades.

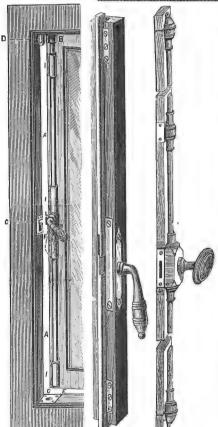


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neat, can be fixed on either side of door or on right or left hand side, small space only required. Various sizes made.



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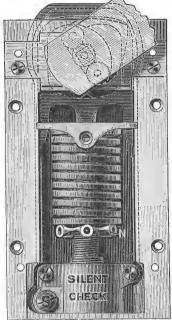
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Weather-tight tongue pattern.

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Special Casement Bolts, triple action for casements opening in or out, guaranteed reliable and efficient, new actions.

Write for Lists and Terms for Patent Door Springs, Fanlight and Lantern Light and Skylight Openers, Ventilators (Inlets and Outlets) of every descrip-

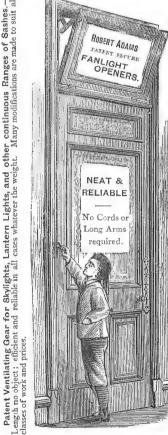


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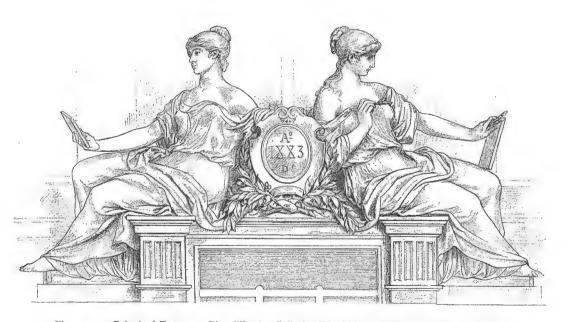
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# ACADEMY ARCHITECTURE. 1891.



Figures over Principal Entrance, Piccadilly Art Galleries, FRANÇOIS VERHEYDEN, Sculptor.

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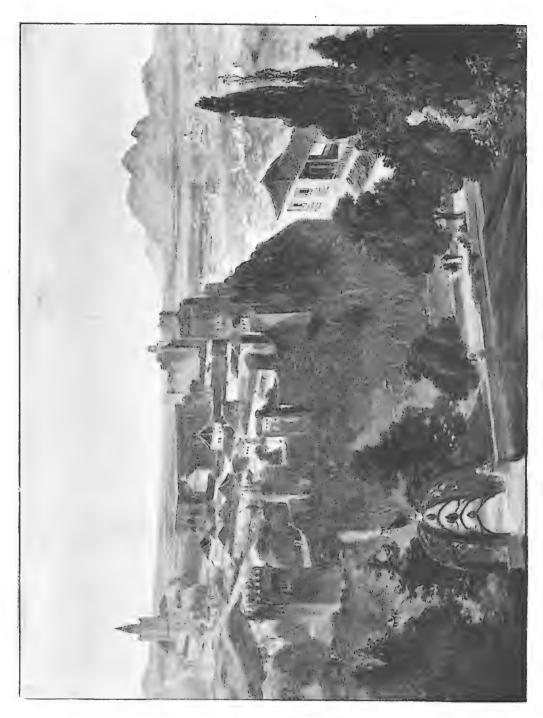
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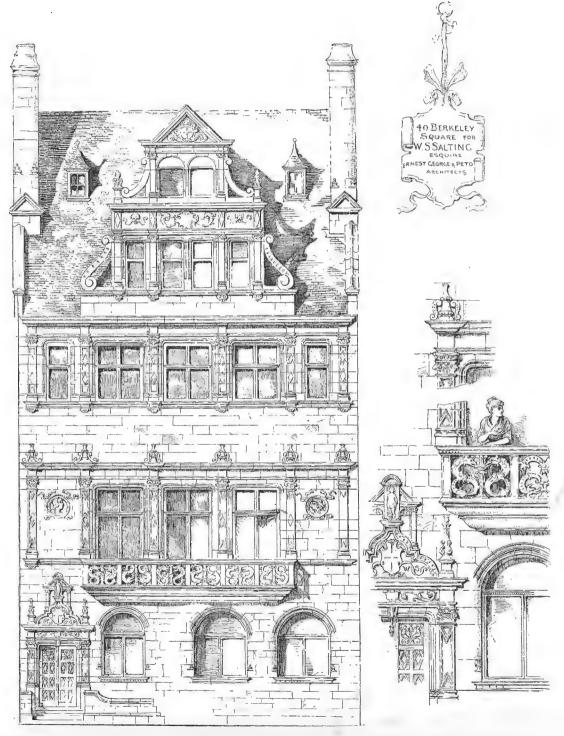
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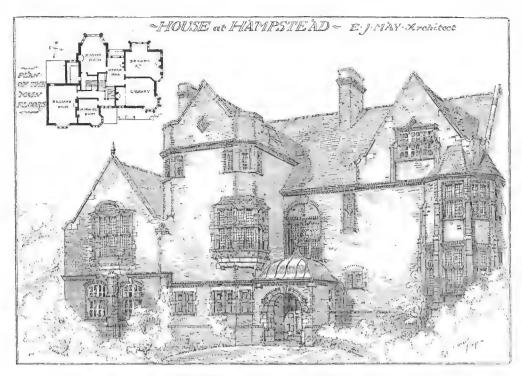




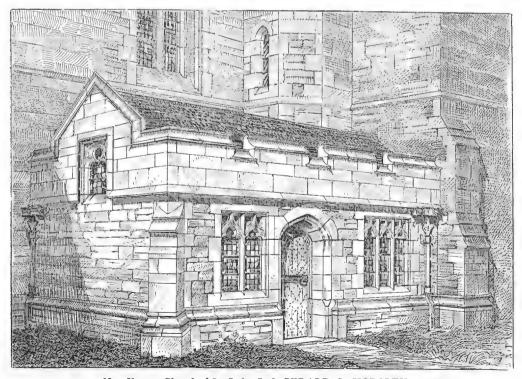
1781. The City Bank, Ludgate Hill, E.C., THOMAS E. COLLCUTT, F.R.I.B.A., Architect.



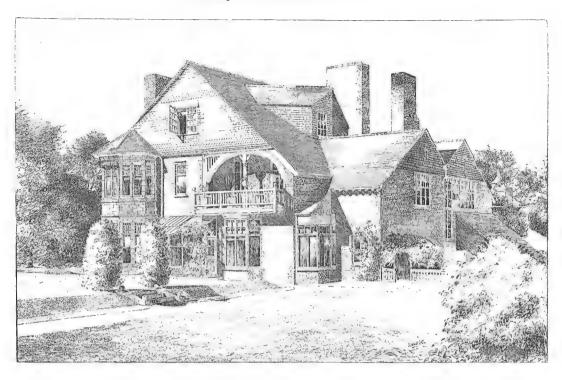
1742. 40 Berkeley Square, W., for W. S. Salting, Esq., ERNEST GEORGE AND PETO, Architects.

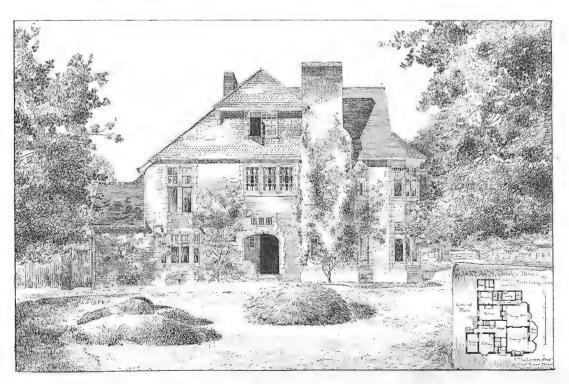


1864. House at Hampstead, E. J. MAY, F.R.I.B.A., Architect.



1914. New Vestry, Church of St. Luke, Leek, GERALD C. HORSLEY, Architect.

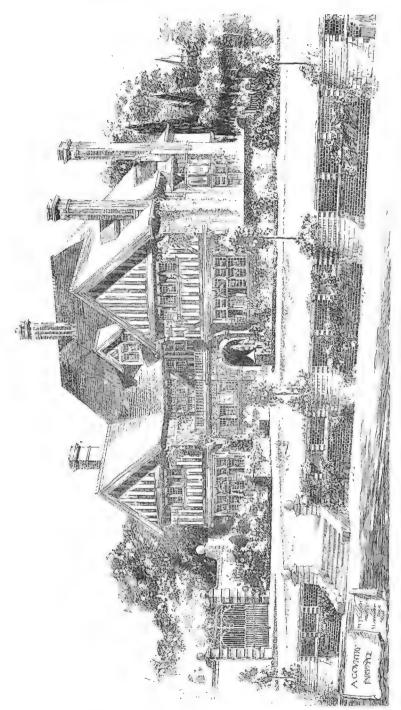




1800. "Oaklawn," Crawley Down, for T. H. W. Buckley, Esq., T. MacLAREN, Architect.



1911. Tutor's House and Staircase of Student's Room, New College, Oxford, BASIL CHAMPNEYS, B.A., Architect.



1700 .4 Canalog Parsonage, FREDERICK II. TULLOCH, A.R.I.B A., Architect.



1831. Grey Frians, Chilworth, Surrey, Noviciate of the English Province, FREDERICK A. WALTERS, F. S. A., Architect.

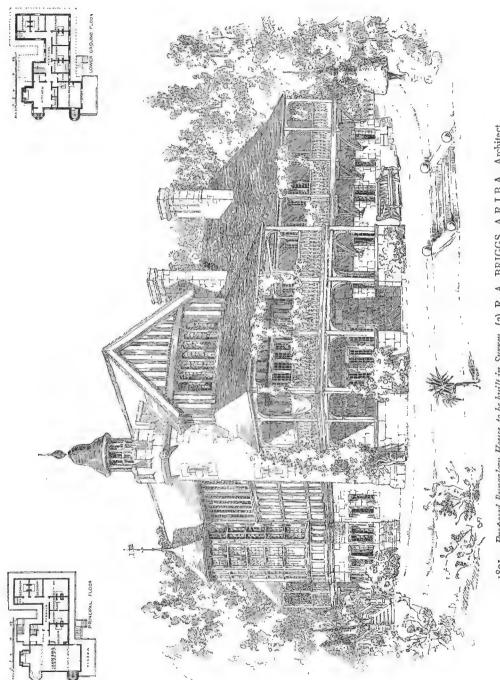
General Contractors—James Longley & Co., Crawley, Sussex.



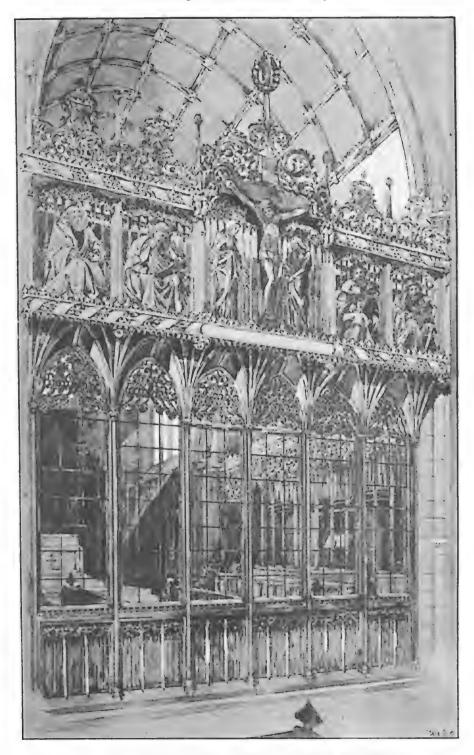
1795. New Premises, Chester, for His Grace the Duke of Westminster, K.G., THOMAS M. LOCKWOOD, F.R.I.B.A., Architect.



1799. Whittington Itall, Staffordshire (a Restoration), M. H. HOLDING, A.R.I.B.A., Architect.



Proposed Bungalow House to be built in Surrey, (2) R. A. BRIGGS, A.R.I.B.A., Architect, from "Bungalows and Country Residences."



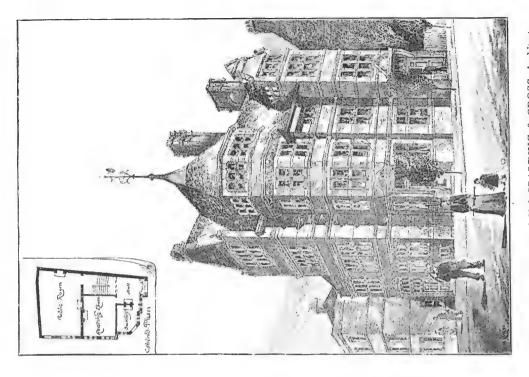
1794. Chancel Screen, St. Mary's Church, Stamford, JOHN D. SEDDING, Architect.

General Contractors-C. Trask & Son, Norton, Ilminster, Somerset.

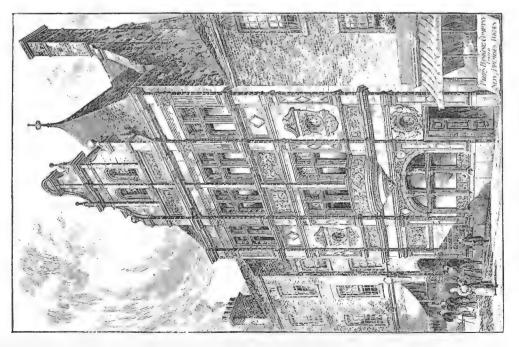


1759. New Schools at Knowle, Bristol, View in Quadrangle, JOHN D. SEDDING, Architect.

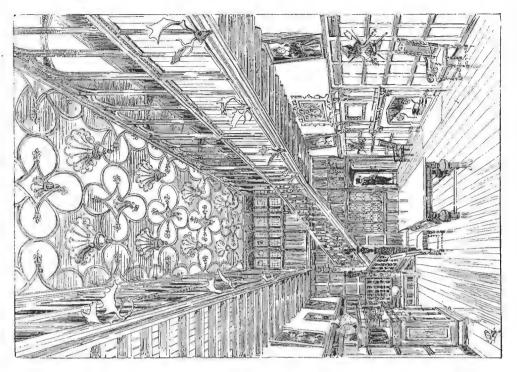
General Contractors—C. Trask & Son, Norton, Ilminster, Somerset.



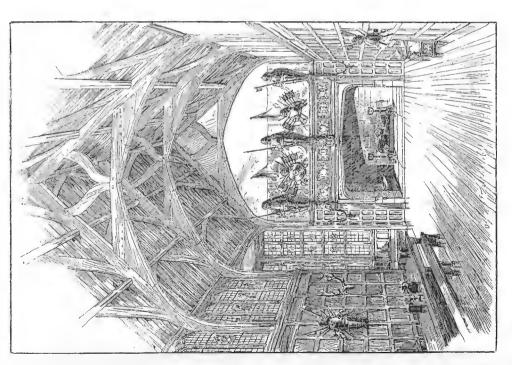
1927. Hampstead Liberal Ciub, SPALDING & CROSS, Architects.



1906. New Premises, Wigan, for Parr's Banking Co., Ltd., WILLIAM OWEN. F.R.I.B.A., Architect.



1768. Hall in Bungalow House (1) R. A. BRIGGS, A.R.I.B.A., Architect., from "Bungalows and Country Residences," Published by B. T. BAISFORD.



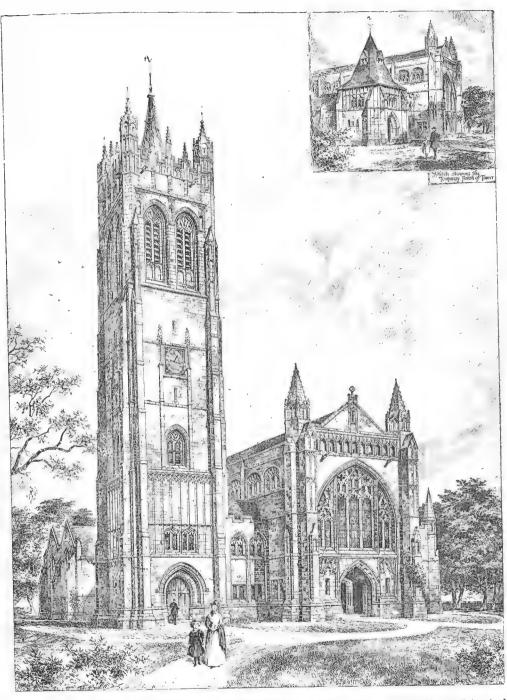
1768. Hall in Bungalow House (2) R. A. BRIGGS, A.R.I.B.A., Architect, from "Bungalows and Country Residences."



Prudontial Assurance Buildings, Glasgow, ALFRED WATERHOUSE, R.A., Architect.



1931. Sheffeld Municipal Buildings (Principal Front), E. W. MOUNTFORD, A.R.I.B.A., Architect.



1929. Christ Church, Waterloo, Design by J. R. E. BIRKETT, A.R.I.B.A., AND J. LANGHAM, Joint Architects.

#### WINTER WARMTH AND COMFORT.

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GRUNDY'S SPECIALITY.

PURE WARM AIR.

Upwards of One Thousand Testimonials received.

Combination of Pure Warm Air and Hot Water, as supplied to LONDONDERRY CATHEDRAL, TRURO CATHEDRAL, CARDIFF NEW CATHOLIC CATHEDRAL, KILMORE CATHEDRAL, QUEEN'S SCHOOL CHAPEL, Eton, STANLEY CATHEDRAL, Falkland Islands, and Board Schools.

From GENERAL DE TESSIER, Fetcham Grove, Leatherhead. May 7th, 1888.

General De Tessier has the pleasure to enclose a cheque on Messrs. Coutts and Co., on account of the warm air apparatus. It has answered all the purposes required of it, and the bulk of the house is well warmed throughout. He would mention that the velocity of the hot air was, after some experiments, found to be about 2\frac{3}{2} miles per hour with an ordinary fire. On the whole, he is very pleased with finding it work so effectually and with great simplicity.

Woodthorpe, Shepherd's Hill, Highgate, London, N. May 20th, 1889.

Mr. John Grundy.—Dear Sir.—I am very pleased with the warm air apparatus that you have fitted in my house, which has resulted in comfort and convenience to my household quite beyond my expectation.

The luxury of maintaining an even temperature throughout the house in cold weather, while at the same time introducing warmed fresh air from the outside, thus reversing the usual winter experience of stagnant air caused by shut doors and windows, really robs an English winter of one of its most unhealthful features.

The basement room in which the furnace is placed I now often use as a Turkish bath, and I feel I can easily get any temperature I like up to 180 degrees.—Yours truly,

If people with delicate lungs would adopt your admirable patent for warming their dwelling houses, they would no longer be compelled to visit more genial climes as the winter approaches. I have found it so, and cannot express my sense of gratitude to you for the invention. Would that it were better known, and could be made cheap enough for all classes to avail themselves of it.

Dr. ROBERTSON, St. Ann's, West Dulwich, London. February, 1880.

Sir,—Since the introduction of your valuable patent for warming and ventilating my private house, I have enjoyed the greatest possible comfort. The house throughout is delightfully free from draughts and damp.

It is just the kind of apparatus that people with weak chests ought to adopt.

It is indeed a public boon. Invalids need never wish to winter abroad if they employ a "Grundy" Warmer.

Dr. TWIBILL, of Kiltegan, Co. Wicklow. March, 1889.

So pleased are the members of my family with your grand system of warming houses by a diffusion of pure warm air, that the ladies wish you would call, that they personally may thank you for so adding to the comfort of the home. The sooner the better your admirable invention becomes known to the community at large. It is everything that can be desired.

Dr. A. J. HOBART, of 33 South Mall, Cork. Nov., 1889.
Your system of heating houses by pure warm air is admirable. To delicate persons it is invaluable. Whenever I am consulted as to the best means of warming and ventilating public or private buildings, I do not fail to recommend the "Grundy."

From HEATLEY NOBLE, Esq., Temple Coomb, Henley-on-Thames. Nov., 1889.
I think it right to let you know that your patent works well at my house. I am perfectly satisfied with it. Since I caused the damper to be altered the apparatus does not want half so much attention.

MR. GRUNDY,—Dear Sir,—I have much pleasure in expressing my satisfaction with the apparatus you fixed in my house. It warms the several rooms, hall, &c., on the ground floor perfectly, and the air passing upstairs renders the bedrooms very pleasant. The apparatus keeps the house much warmer, drier, and far more healthy and agreeable than would be the case if the rooms were heated by ordinary fires, and at far less cost for fuel. I may add, it is universally graised by visitors to the house, who are delighted with being able to anywhere without feeling the slightest draught, and with the purity of the air they breathe.—Your truly,

F. REDFERN (Author of "Edeography").

MR. WYLLIE has much pleasure in testifying to the thorough efficiency of Mr. John Grundy's heating apparatus. Previous to its introduction he found the house cold and damp, and requiring many fires to heat it. Now, comparatively few fires are required, and the house is perfectly dry and comfortable.

Argyll House, Clifton, Bristol.

Dear Sir,—I am perfectly satisfied with the warming of my house by your patent. I had not the least doubt but that it would answer the purpose all right, for I had watched its progress at the Seamen's Institute, where it also works admirably.—Faithfully yours,

From Admiral the Hencurable G. DOUGLAS, Nusells, Royston. Dec. 27, 1888.

Sir,—I have much pleasure in stating that the heating apparatus put up by you in this house works most satisfactorily. There is To Mr. John Grundy.

Book of Testimonials gladly forwarded Gratis on Application to

JOHN GRUNDY, 30 Duncan Terrace, City Road, London, And TYLDESLEY, near Manchester.

Telegrams, "John Grundy, London." N.B .- PERFECT SUCCESS GUARANTEED, OR NO PAY.

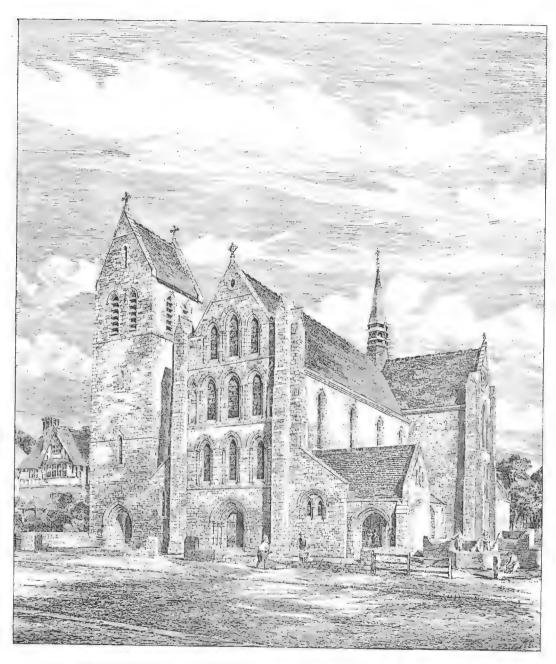
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1779. Church of SS. Peter and Paul, Charlton, Dover, JAMES BROOKS, F.R.I.B.A., Architect.



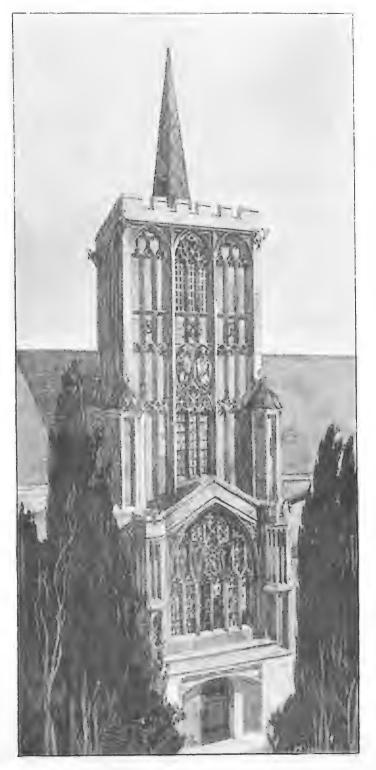
1741. "Westwood," Bickley, ERNEST NEWTON, F.R.I.B.A., Architect.



1894. House at Maidenhead, R. A. BRIGGS, A.R.I.B.A., Architect.



1738. The Croft, Stanstead, Montfichet, W. D. CARÖE, M.A., Architect.

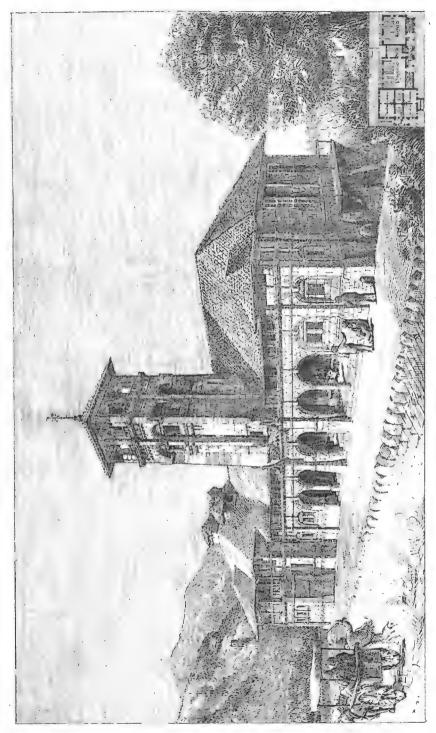


(887. Proposed New Church at Ealing (View of Tower),
JOHN D. SEDDING, Architect.

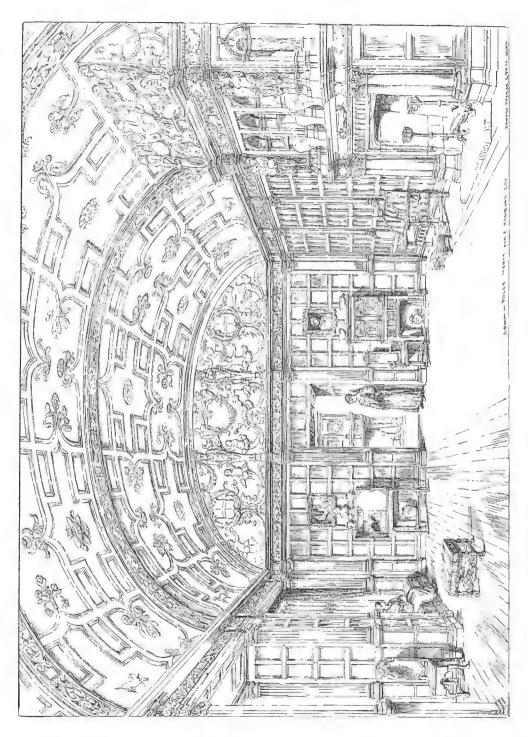


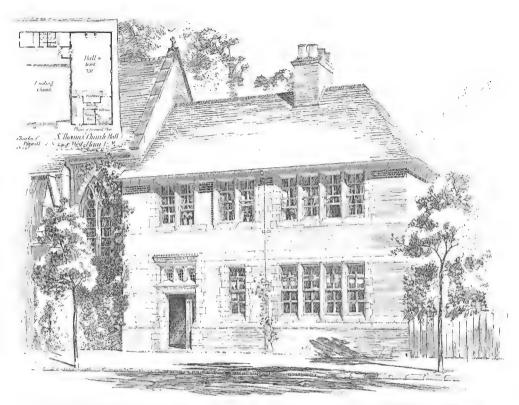
1916. St. Clement's Church, Bournemouth (New Tower now in course of erection),
JOHN D. SEDDING, Architect.

General Contractors-F. Merrick & Son, Glastonbury, Somerset.

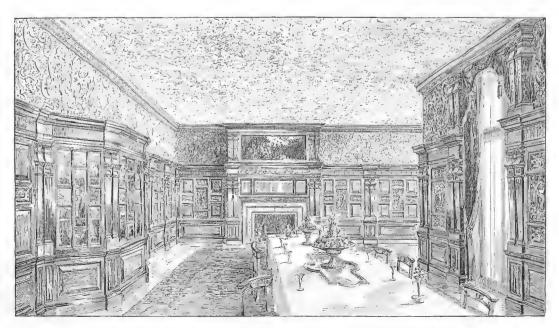


147. Scuola Hanbury, Ventimiglia, W. D. CARÖE, M.A., Architect,





1783. St. Thomas's Church Hall, West Ham, Essex, CHARLES C. WINMILL, Architect.



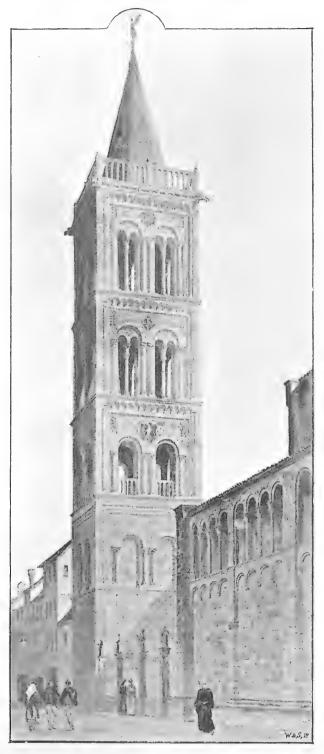
1908. Dining Room, Avery Hill, T. W. CUTLER, F.R.I.B.A. Architect.



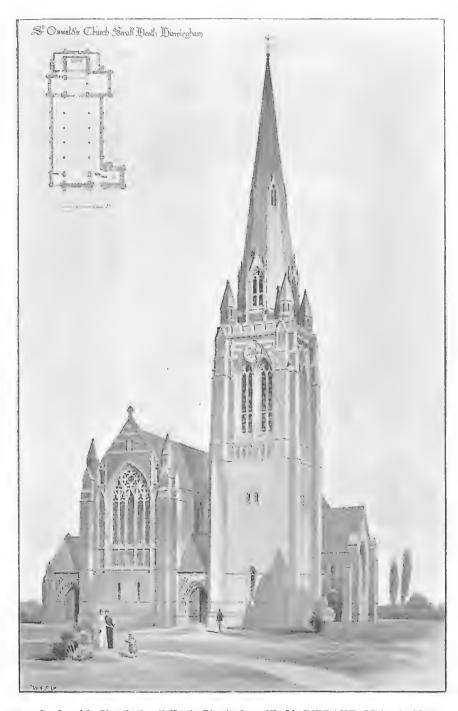
1770. St. Lucy's Home, Gloucester, JOHN D. SEDDING, Architect.



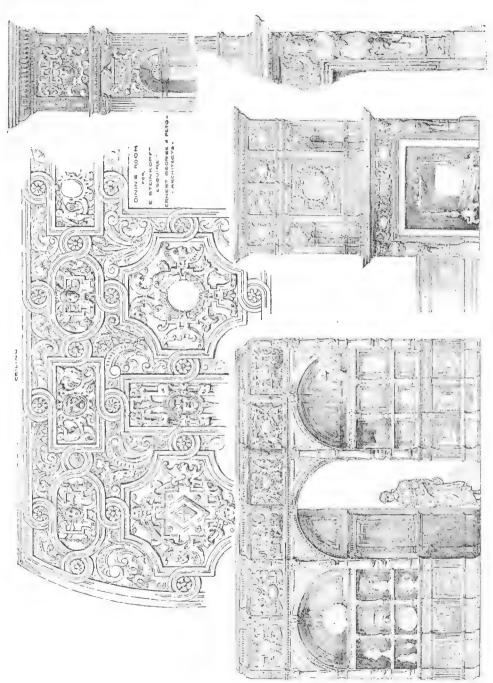
1827. Proposed Country House. Cheshire. EDWARD HODKINSON, Architect.



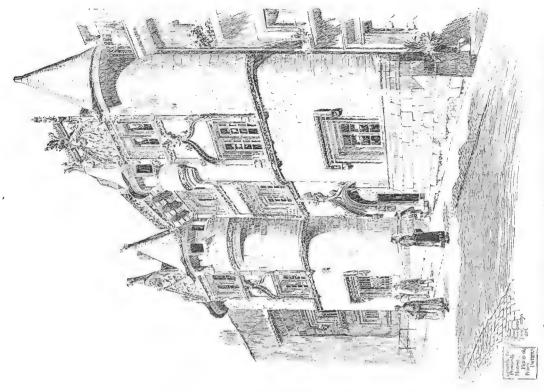
1734. Camfanile of the Cathedral of Zara in Dalmatia (as carried out),
T. G. JACKSON, Architect.



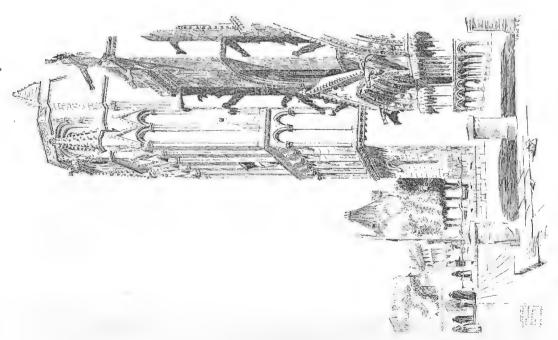
1775. St. Oswala's Church, Small Heath, Birmingham, W. H. BIDLAKE, M.A., Architect.



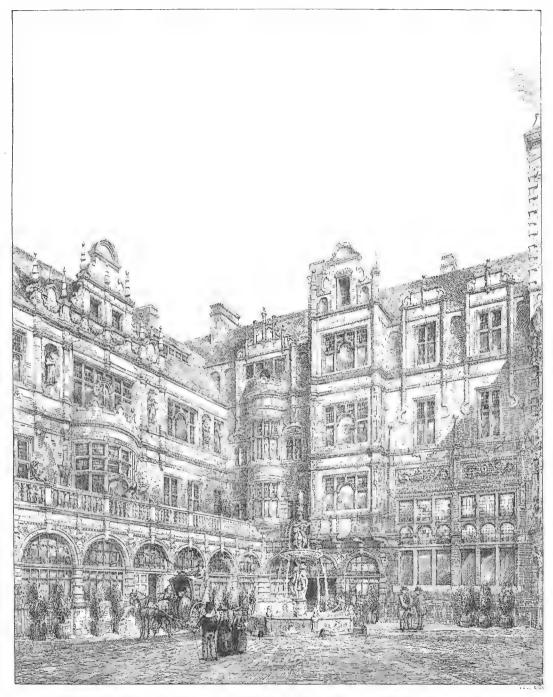
1848. Dining-room for E. Steinkopff, Esq., ERNEST GEORGE AND PETO, Architects.



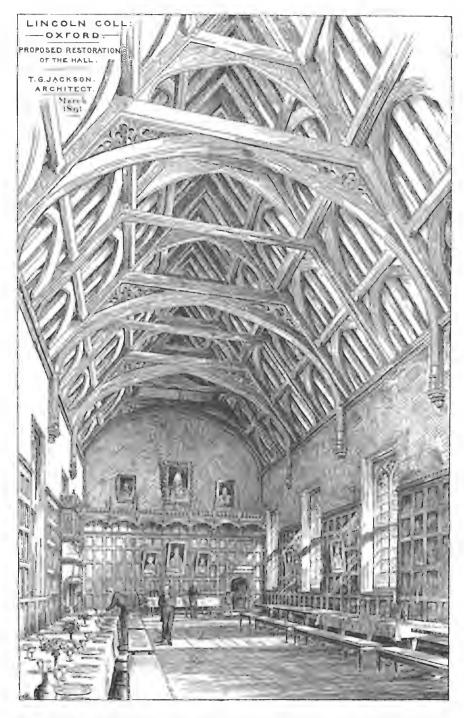
1834. Formerly the Provost's House, Place du Pilori, Poitiers, C. E. MALLOWS, Architect.



1869. West Front of the Cathedral, Poitiers, C. E. MALLOWS, Architect,

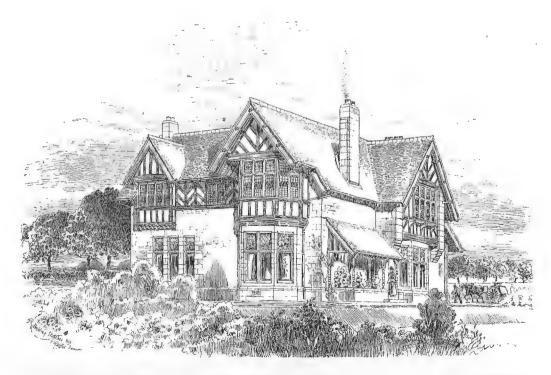


1787. Claridge's Hotel, Brook Street, W., The New Courtyard, W. D. CARÜE, M.A., Architect.

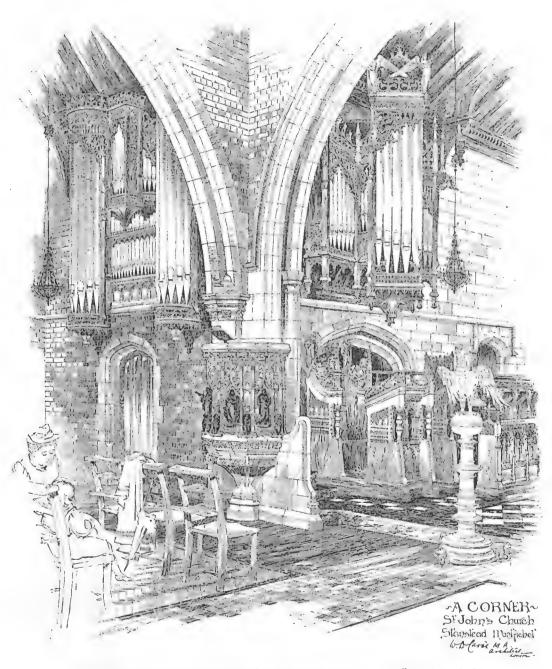


1876. Lincoln College, Oxford, Proposed Restoration of the Hall, T. G. JACKSON, Architect.



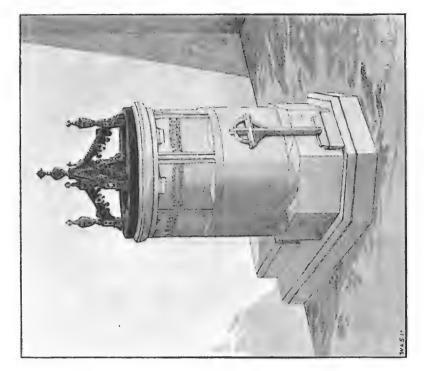


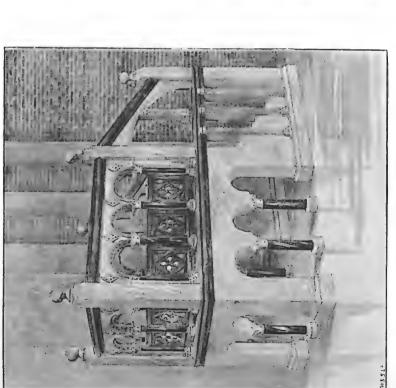
1852. "Woodcroft" Larbert for George Sherriff, Esq., THOMAS L. WATSON, F.R.I.B.A., Architect.



1920. A Corner, St. John's Church, Stanstead, Montfichet, W. D. CARÖE, M.A., Architect.

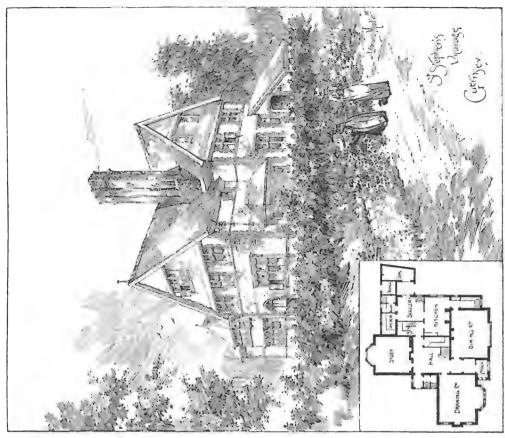
Heating-John Grundy, 30 Duncan Terrace, City Road, N. Organ-August Gern, Boundary Road, Notting Hill, W.

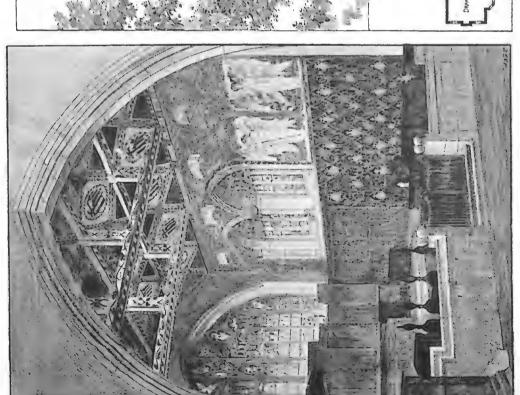




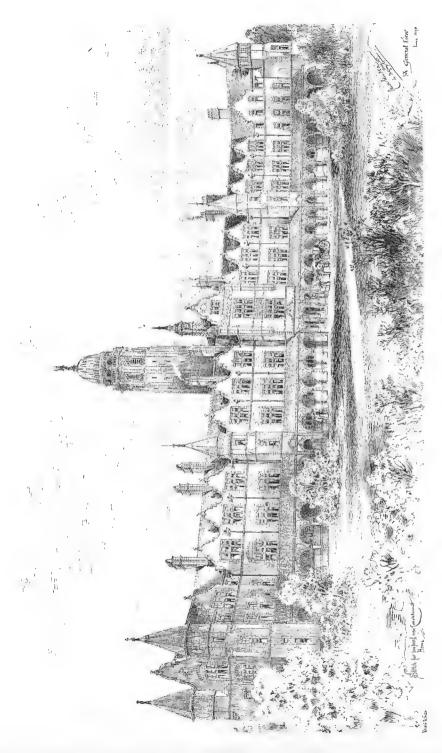
Font for St. Michael's, Smethwick. A. E. STREET, M.A., A.R.I.B.A., Architect. 1879. Design for Pulpit, English Church, Rome.

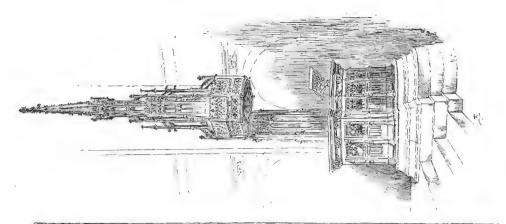
1731. St. Stephen's Vicarage, Guernsey, JOHN E. TROLLOPE, Architect.

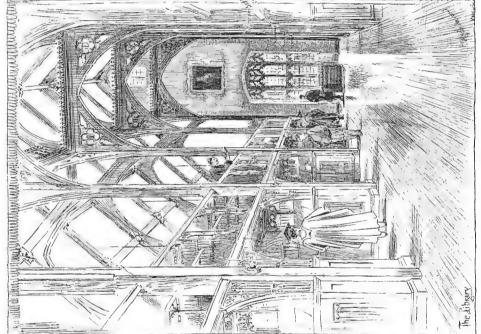


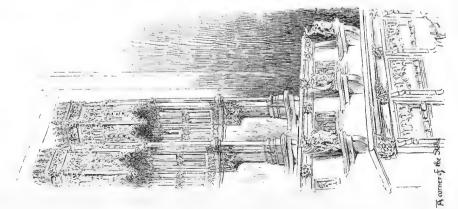


1902. All Saints, Compton Leek (Painted Decoration in Chancel), GERALD C. HORSLEY, Architect.

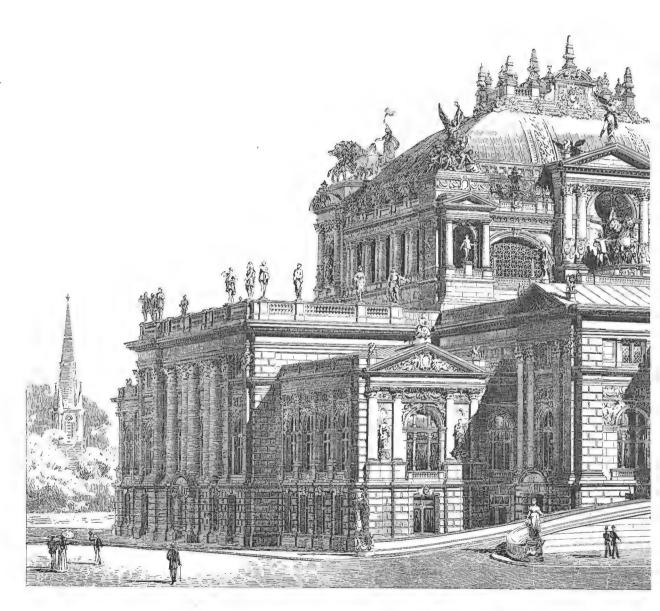








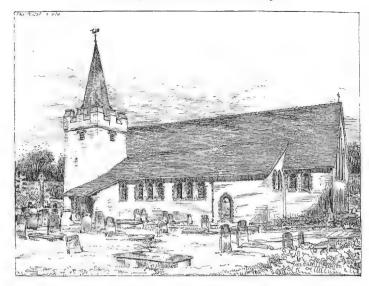
1850. Mansfield College, Oxford (Sketches from the Interior as completed March 1891), BASIL CHAMPNEYS, B.A., Architect.



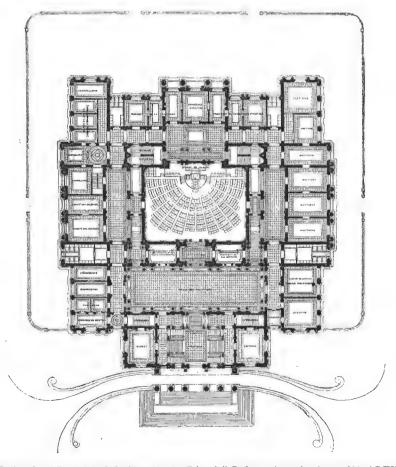
1901. Competition Design for "Le Palais de la Chambre de



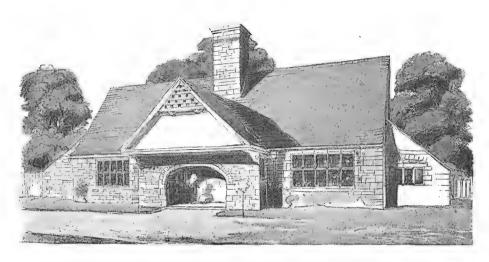
utés," Bukarest (mention honorable), ALEX. KOCH, Architect.



1752. Welsh Church, Briton Ferry, SEDDON AND CARTER, Architects.

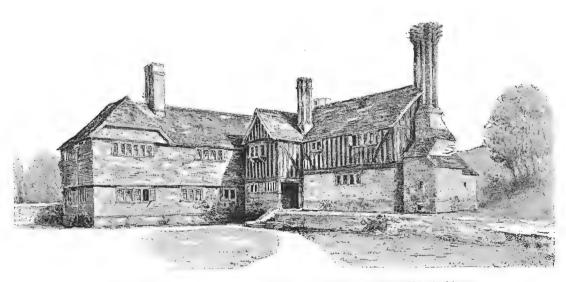


1901. Competition Design for "Le Palais de la Chambre des Députés," Bukarest (mention honorable), ALEX, KOCH, Architect

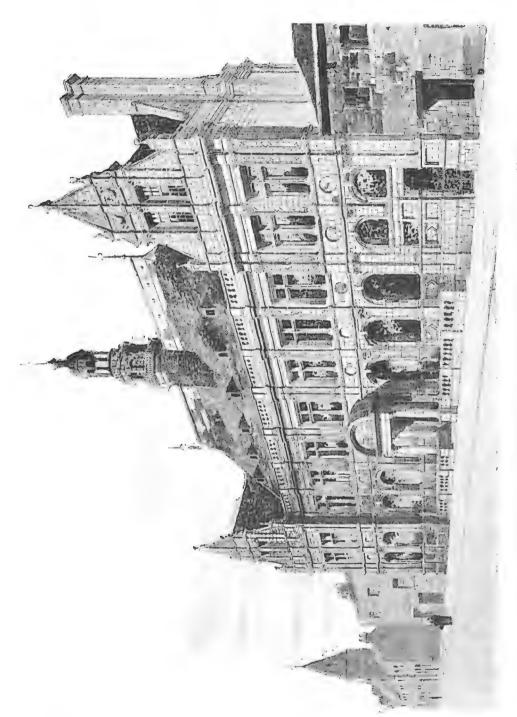


New Schools at Knowle, Bristol, View of Laundry, JOHN D. SEDDING, Architect.

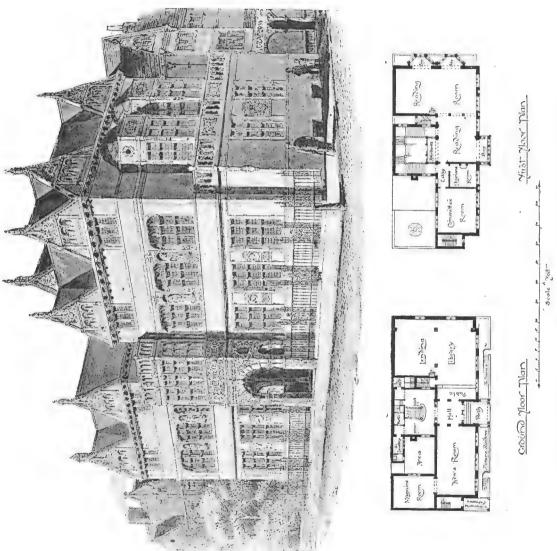
General Contractors-C. Trask & Son, Norton, Ilminster, Somerset.



1806. House at Crooksbury near Farnham, EDWIN L. LUTYENS, Architect.



1857. Ayr Public Library (Competition design), JAMES A, MORRIS AND HUNTER, Architects,



1756. A Library for a Country Town, B. WOOLLARD, A.R.I.B.A., Architect.



"Summer." Fresco in the Refreshment Room of the Royal Academy, W. REYNOLDS STEPHENS.

Size of Fresco with border 20st. x9st. 292.



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# ANNUAL ARCHITECTURAL REVIEW. 1891.



Ideal Sketch, OTTO RIETH, Architect, Berlin.

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Distribution of Profits, January 1, 1890.

Total Bonus Additions to a Policy of £1,000.

Date of Assurance.	Amount of Sum Assured and Bonuses at 1st January, 1880.	Bonus added at 1st January, 1890.	Total amount payable i Policy become a claim after 1st January, 1890
1st January, 1840	£ s. d. 2,200 0 0	£ s. d. 820 0 0	£ s. d.
,, 1850	1,905 0 0	720 0 0	2,625 0 0
,, 1860	1,537 10 0	580 0 0	2,117 10 0
,, 1870	1,180 0 0	380 0 0	1,560 0 0
,, 1880	1,000 0 0	180 0 0	1,180 0 0

Full Papers and Particulars forwarded on application.

Offices: Mansion House St., London, E.C.





Frieze for the Decoration of a Vase. Subject: Chaucer's "Good Women," designed by JOHN EYRE.

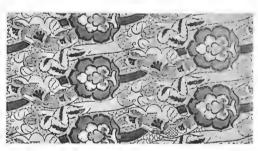


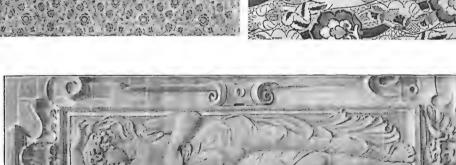
Executed by LONGDEN & CO., 447 Oxford St., W Panel of Wrought Iron and Gilt Copper Roses, Designed by the late J. D. SEDDING,





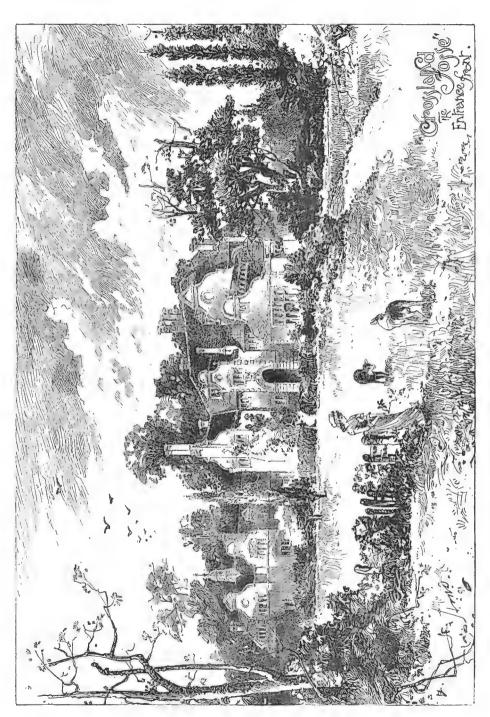




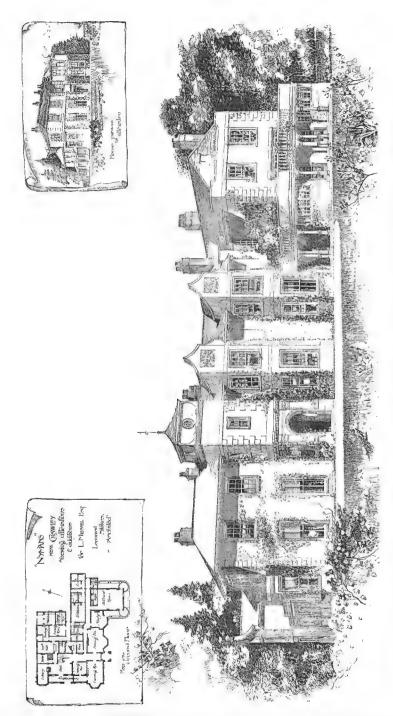


FREDK, E. E. SCHENCK. Panel Carved in Brick,

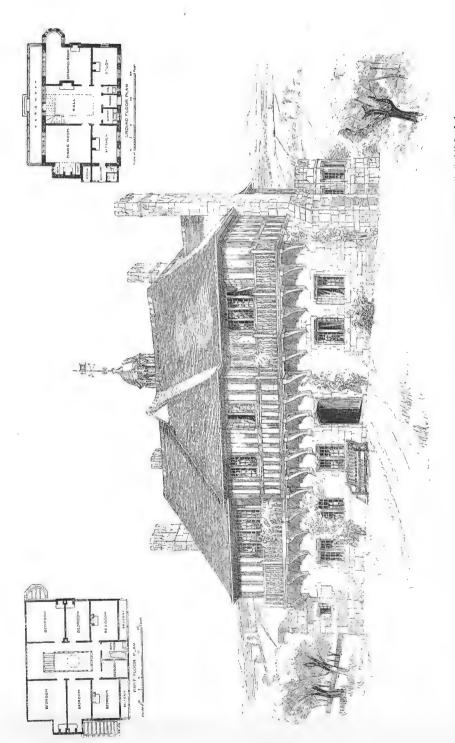
THOMAS WARDLE, Leek. Printed Cotton Velvet,



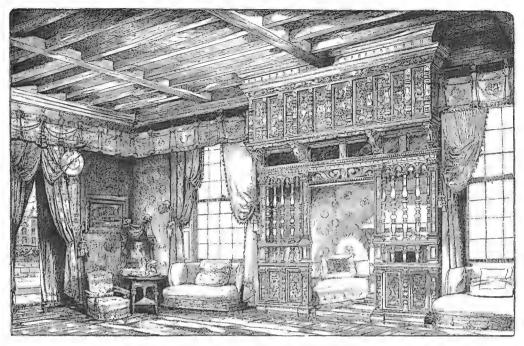
vossland Fosse, The Entrance Front, PERCY G. STONE, F.R.I.B. A., Architect.



Nymans, near Craveley, showing alterations and additions for L. Messel, Esq., LEONARD STOKES, Architect.

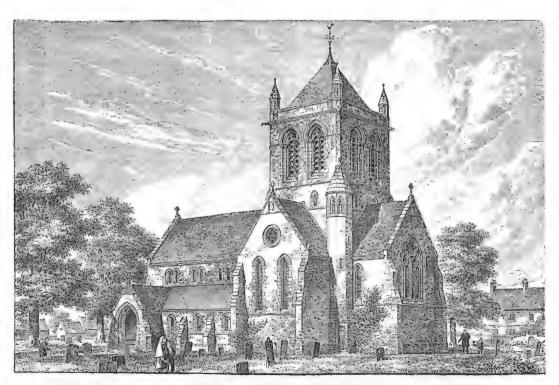


A Bungalow House (1) R. A. BRIGGS, A.R.I.B.A., from "Bungalows and Country Residences," Published by B. T. BATSFORD.



Screen in front of Ingle Nook in Billiard Room.

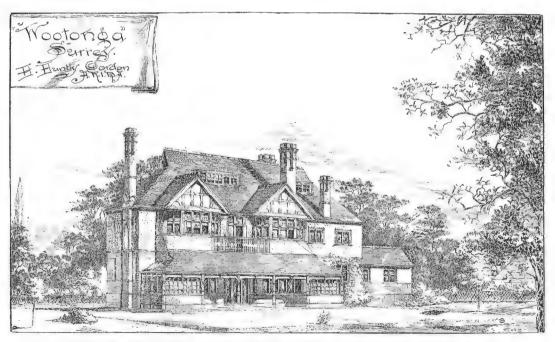
Designed by HOWARD & SONS, 25, 26 & 27 Berners Street, London. W



Proposed new Church, Long Clawson, Leicestershire, JOHN HOWITT, F.R.I.B.A., Architect.



House at Northwood, Middlesex, H. O. CRESSWELL, A.R.I.B.A., Architect.



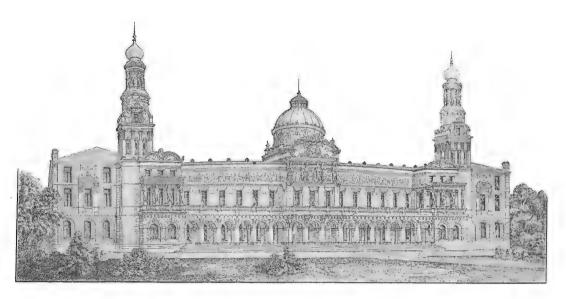
Wootonga, Surrey, H. HUNTLEY-GORDON, A.R.I.B.A., Architect.



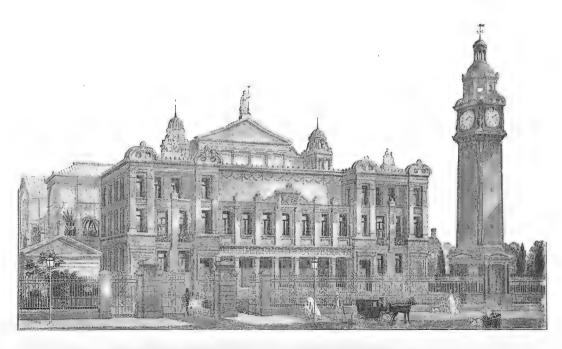
Entrance Lodge and Gates at Liss, Hants, W. HOWARD SETH-SMITH, Architect.



Entrance Lodge lately erected near Chipping Norton, Oxon, W. HOWARD SETH-SMITH, Architect.



People's Palace, Mile End, E., (Original design) E. R. ROBSON, F.R.I.B.A., Architect.

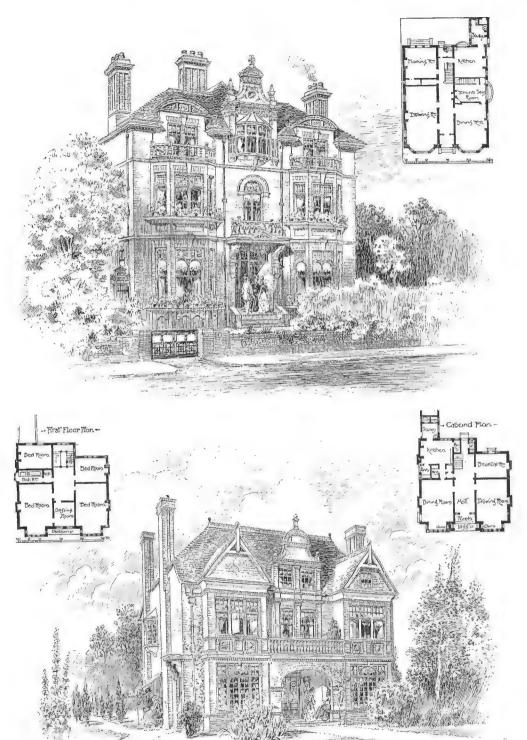


People's Palace, Mile End, E. (as carried out), E. R. ROBSON, F.R.I.B.A., Architect.



Dining Hall and Workmen's Cottages, Port Sunlight, for Messrs. Lever Bros., Ltd., WILLIAM OWEN, F.R.I.B.A., Architect.

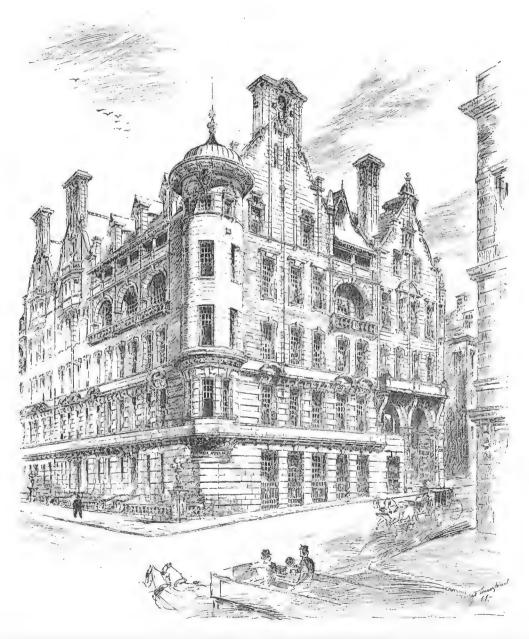
General Contractor—Alex. Bleakley, 4x & 43 Claughton Rcad, Birkenhead.



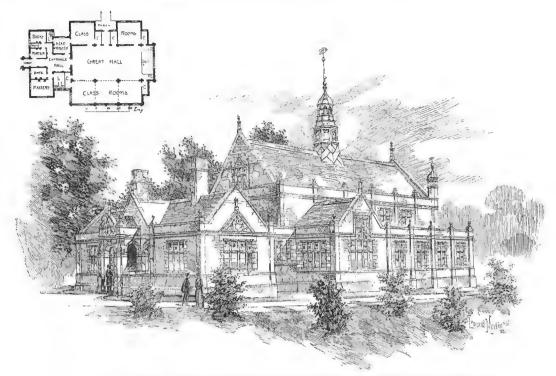
"Stonecroft" and "Churchill," West Hampstead,
Professor BANISTER FLETCHER, F.R.I.B.A., Architect.



Charing Cross Mansions, Glasgow, for Messrs. Robert Simpson and Sons, JOHN BURNET, SON AND CAMPBELL Architects.



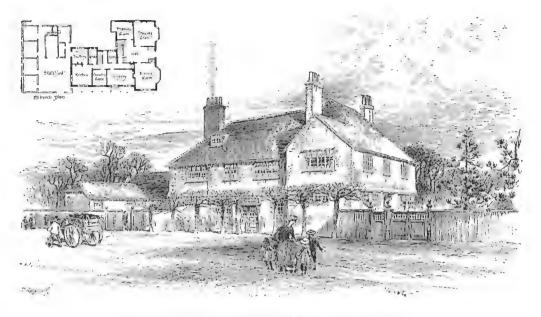
Central Agency Buildings, Glasgow (Competitive design), JOHN BURNET, SON AND CAMPBELL, Architects.



Colfe Grammar School, Lewisham, JOHN GILES, GOUGH AND TROLLOPE, Architects.



House at Wembley, R. A. BRIGGS, A.R.I.B.A., Architect.

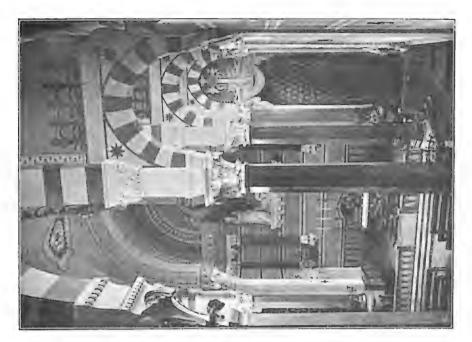


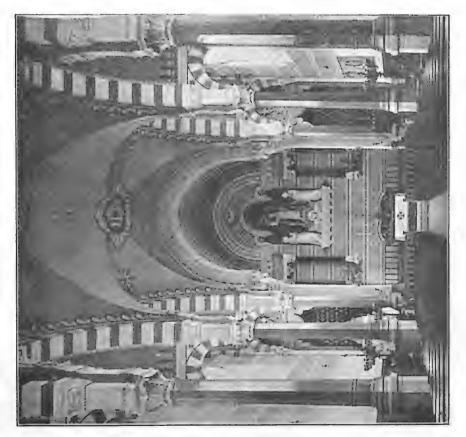
House at Winslow, ERNEST NEWTON, F.R.I.B.A., Architect.

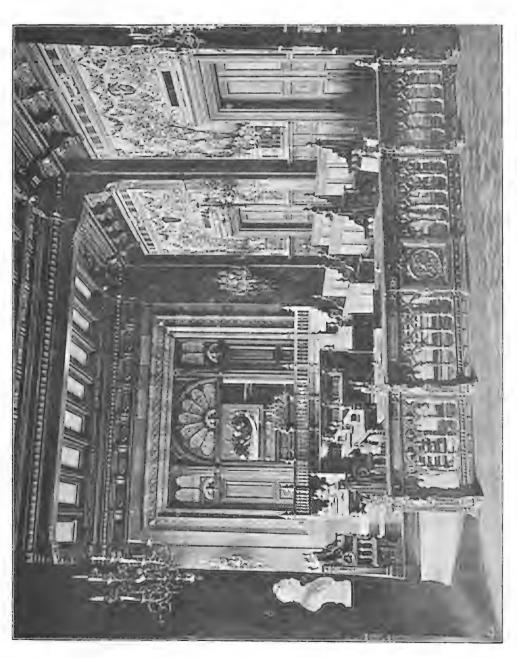


Semi-detached Villas at Cannes, Gd. ANDRÉ, Architect, Lyon.





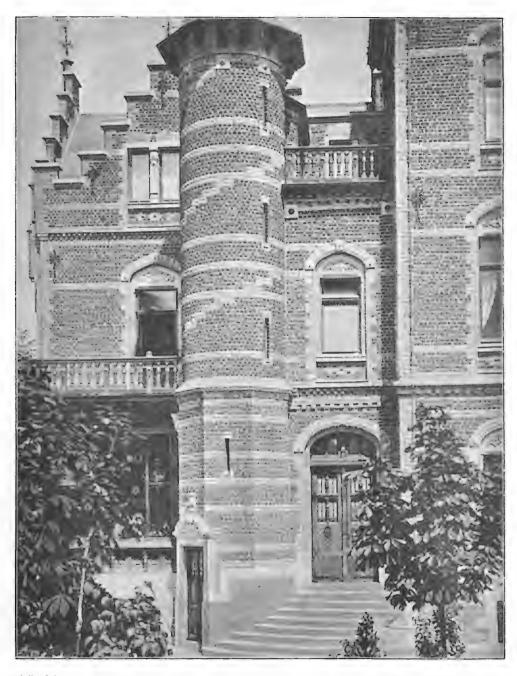




Town Hall at Schaerbeck, Brabant (Interior), J. J. VAN YSENDYCK, Archit et, Bras el.



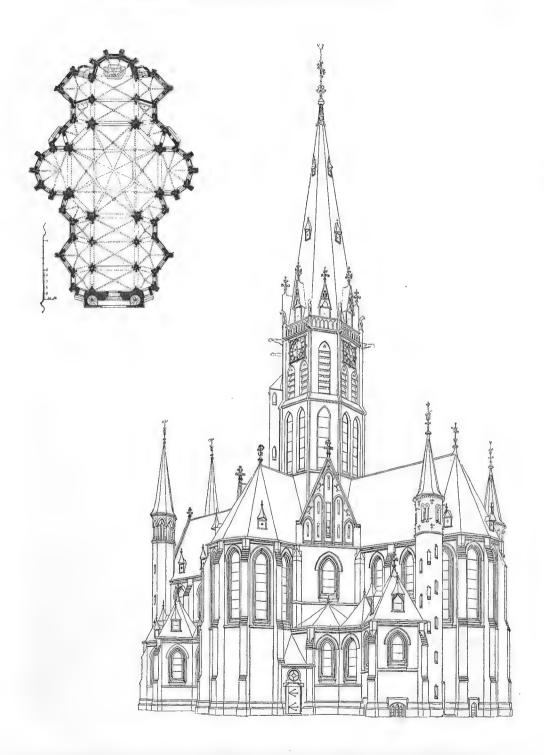
Villa van den Corput au Bois de la Cambre, Brussels, J. J. VAN YSENDYCK, Architect, Brussels.



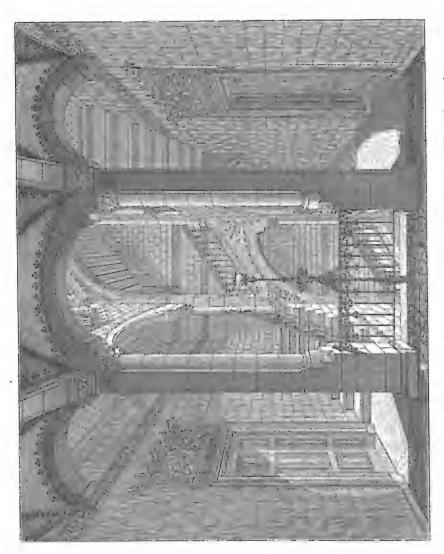
Villa van den Corput au Bois de la Cambre, Brussels (Detail), J. J. VAN YSENDYCK, Architect, Brussels.



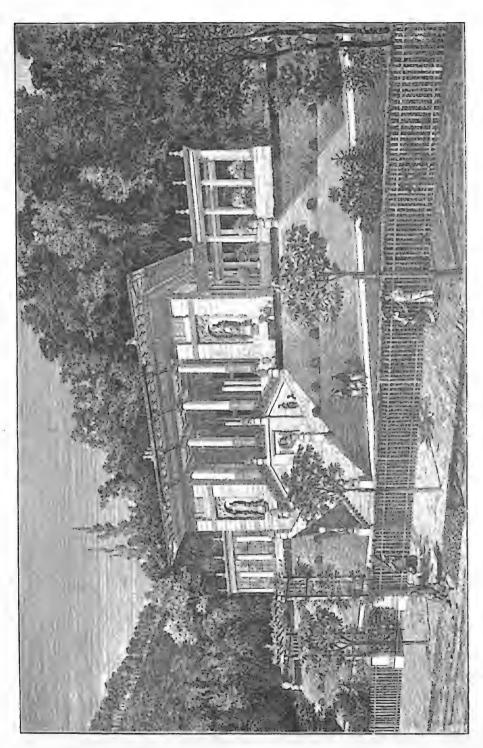
St. Urban Nes ald Amstel, Dr. P. J. H. CUYPERS, Architect, Amsterdam.



Church of the Sacred Heart, Amsterdam, Dr. P. J. H. CUYPERS, Architect, Amsterdam.



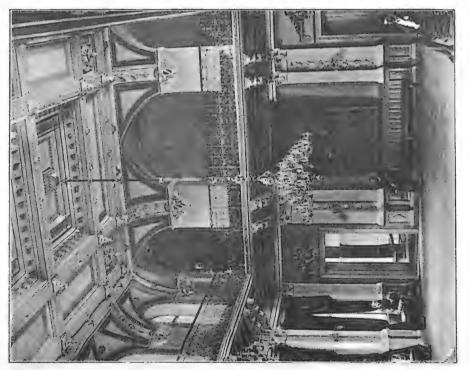
Private Staircase, Rijks Museum, Amsterdam, Dr. P. J. H. CUVPERS, Architect, Awsterdan.



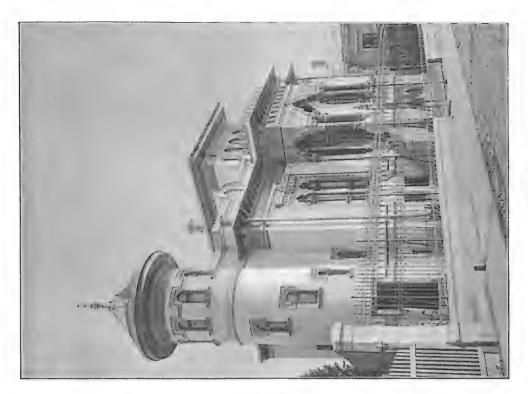
l'illa at Huttelsdorf, mear Vienna, OTTO WAGNER, K. K. Baurath, Vienna.



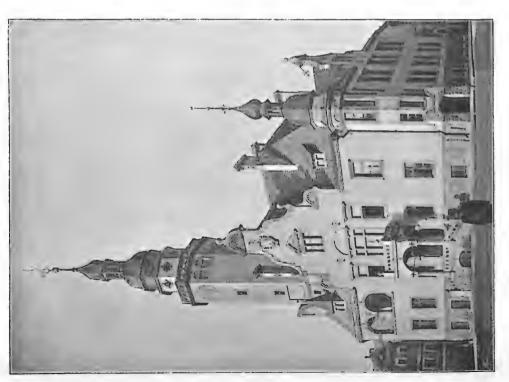
Waiting-room at Herkulesbad, Hungar ia. IGNACZ ALPÁR, Architect, Budapest.



Comitats-house at Segesvar, Hungaria.



Villa at Bukares!,
I. N. SOCOLESCU, Architect, Bukarest.



Rathhaus Münsterberg, Schlesien,
C. MÜHLKE AND O. POETSCH, Architects, Beilin

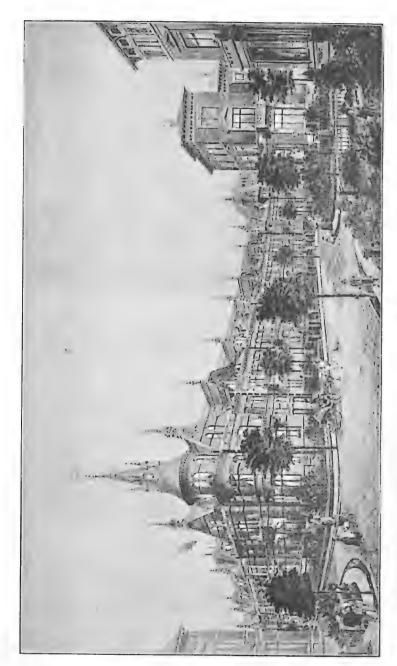


f. wn.: '.:.' Club-House, Budapest, SIGMUND QUITTNER, Architect, Budapest.

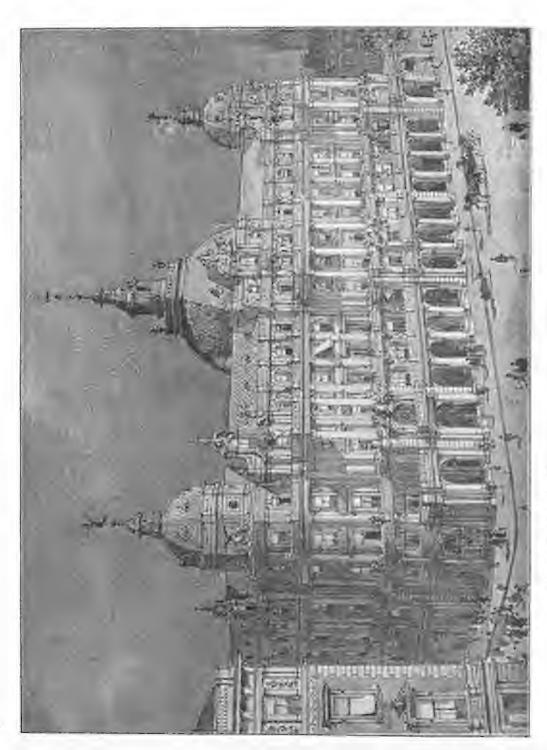
A Lift. D Servants. K Kitchen. I Living-Room. L Shop. P Hall Porter. R Restaurant. V Ante-Room.



Club House at Nürnberg, JOS. M. SCHMITZ, Architect, Nürnberg.

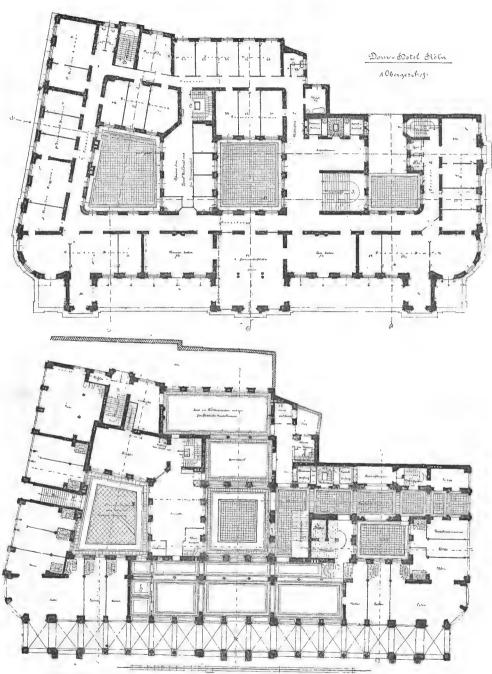


Suburban Residences at Hamburg (Lessing and Uhandstrasse), IIALLIER AND FITSCHEN, Architects, Hamburg.

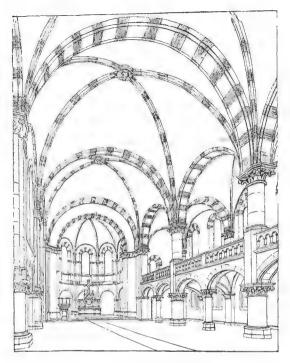




New Dome Hotel. Cologne, KAYSER AND VON GROSZHEIM, Architects, Berlin.



New Dome Hotel, Cologne, KAYSER AND VON GROSZHEIM, Architects, Berlin,



Study for a Church Interior, IIUGO LICHT, Stadtbaudirektor, Leipzig.

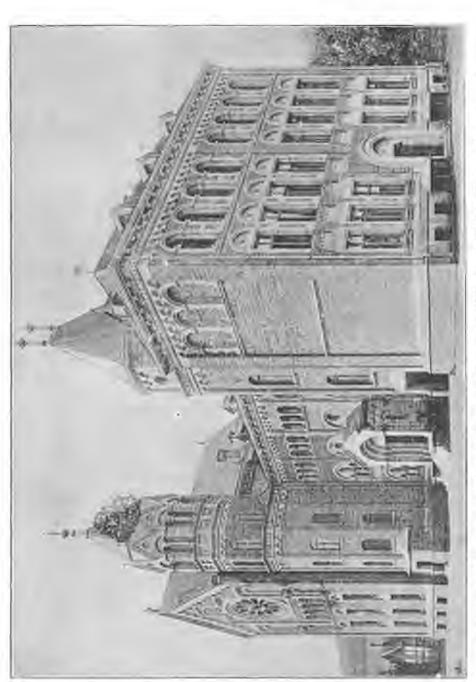


Villa Puricelli, Gieser, Interior, H. TH. SCHMIDT, Architect, Frankfort a/M.



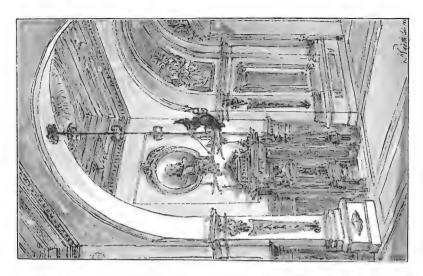


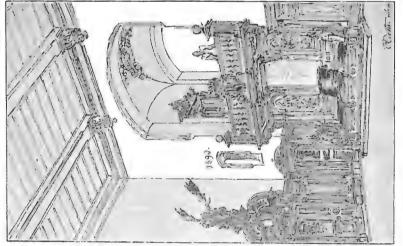
"Asschank Pschorr" (Public-house) at Berlin, KAYSER AND VON GROSZHEIM, Architects, Berlin

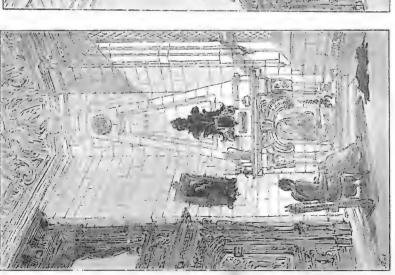


Grammins and Andymeanium (Classical Scient), Galas, Ormany, PROFESSOR HURERT STIER, Architect, Humone.

Jan. p. 112.







Sketches, OTTO RIETH, Architect, Berlin.



Racifius Odenis, ETATSRAAD HERHOLDT, Archivet, Kipbenhavn.

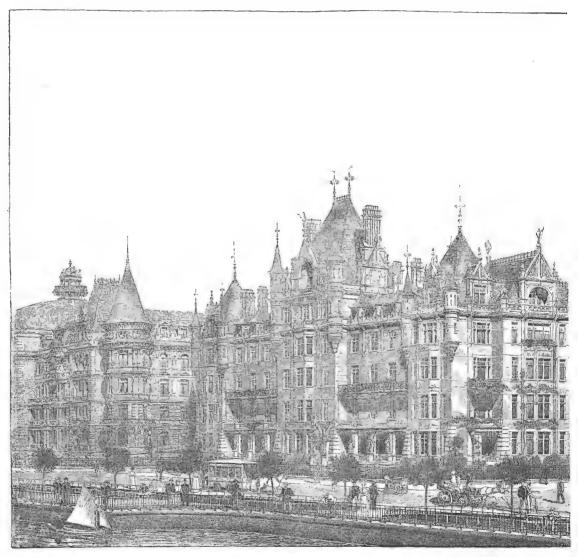


Law Courts, Budapest, Interior, Professor HAUSZMANN ALAJOS, Architect, Budapest.





Holmenkollen Hotel, Christiania, H. MUNTHE, Architect, Christiania.



" Schloss" Zurich, H. ER

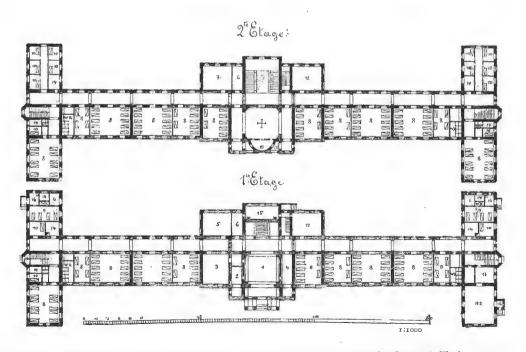
Verblender von Philipp Helzman & Co., Frankfort a/M.



Architect, Zurich.



Bachruschin Bros. Hospital for Chronic Diseases, Moscow, B. FREUDENBERG, Architect, Moscow.



Vestibule. 2. Hall Porter. 3. Office. 4. Dispensary. 5. Doctors. 6. Du Jour. 7. Operating Room. 8. Wards.
 Isolated Ward. 10. Private Patients. 11. Convalescents. 12 & 13. Out Patients. 14. Bath. 15. Buffet.



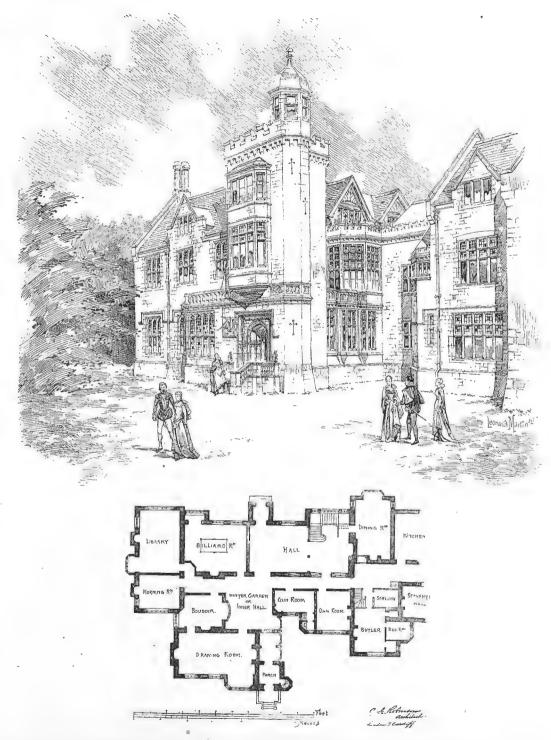
Bachruschin Bros. Hospital for Chronic Diseases, Moscow, P. FREUDENBERG, Architect, Moscow.



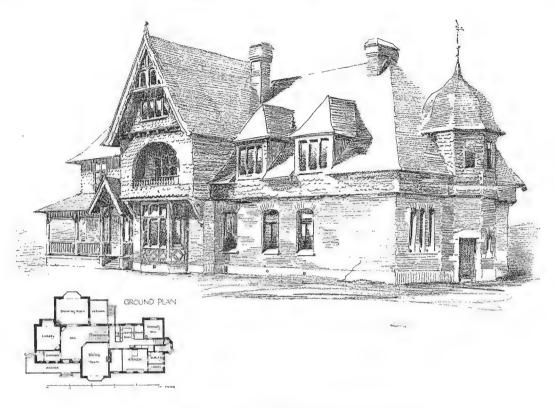




The Palace of II. Baron Serge von Derwies, Government Ryasan, F. SCHAECHTEL, Architect, Moscow.



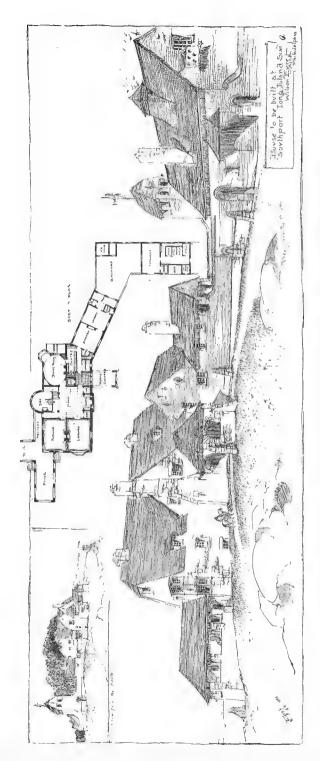
Additions to a Mansion in Surrey, Garden Front, GEORGE E. ROBINSON, Architect.



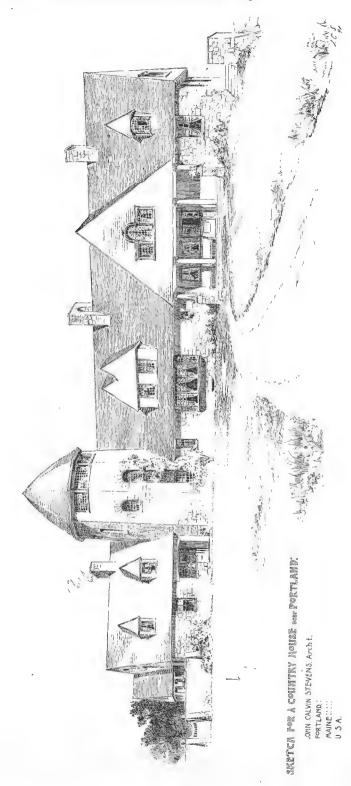
Villa near Göteborg, J. G. CLASON, Architect, Stockholm.

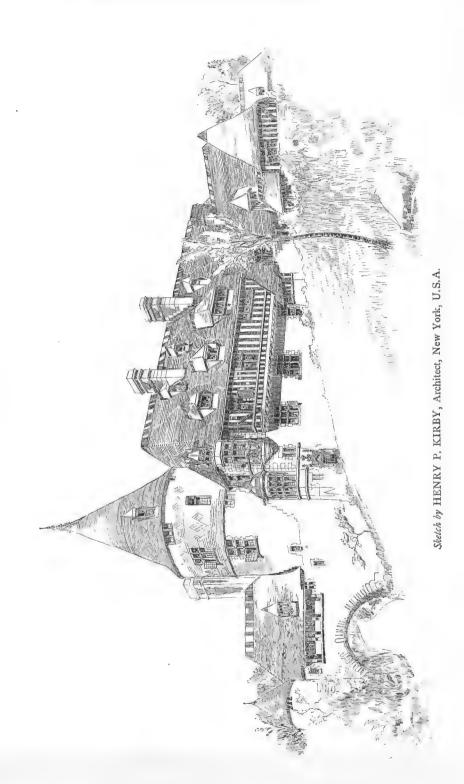


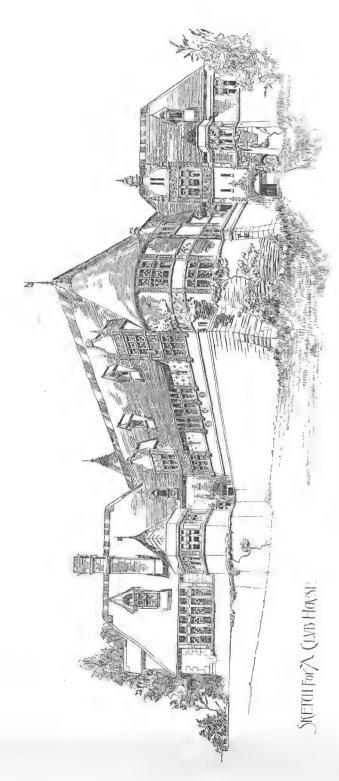
HENRY P. KIRBY, Architect, New York, U.S.A.



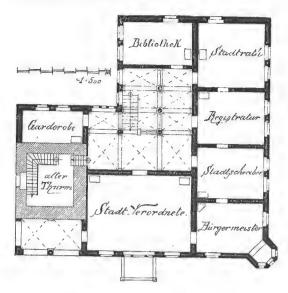
House to be built at Southport, Long Island Sound, WILSON EYRE, JUN., Architect, Philadelphia, U.S.A.





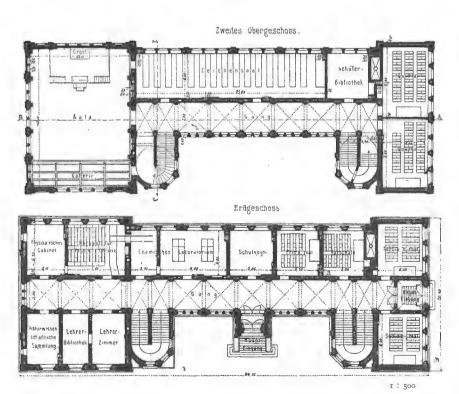


HENRY P. KIRBY, Architect, New York, U.S.A.



Rathhaus, Münsterberg Schlesien.
C. MUHLKE and O. POETSCH, Architects, Berlin.

Elevation, p. 87.



Gymnasium and real Gymnasium (Classical School) Goslar, Germany.

Prof. HUBERT STIER, Architect, Hanover.

Elevation, p. 96.

## SCULPTURES, 1891.



Model of Statue for "World" Building, CARL BITTER, Sculptor, New York, U.S.A.

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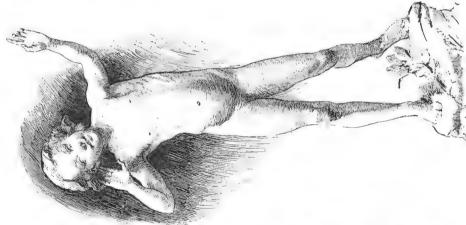
H.M. The Queen,

Erected at Oodeypore by the Maharana of Oodeypore, and unveiled by H.R.H. Prince Albert Victor, Dec. 1889,

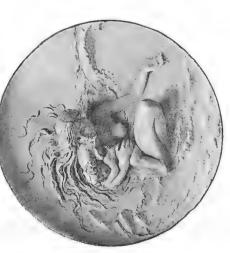
C. B. BIRCH, A.R.A., Sculptor.



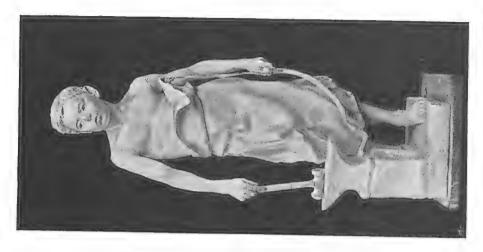
2083. Ideal Bust. E. ONSLOW FORD, A.R.A., Sculptor.



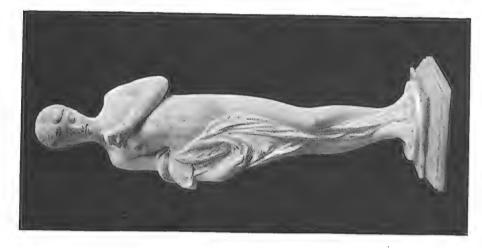
1955. "The Echo," Figure, Life Size, A. DRURY, Sculptor.



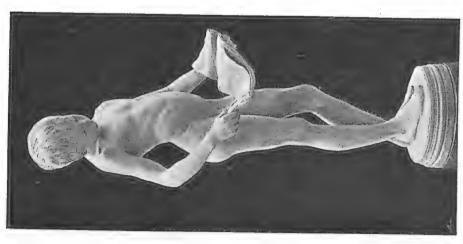
2033. "O Love! has she done this to thee!"
R. H. A. WILLIS, Sculptor.







2080. "Love's Token" (Marble Statuette), E. ROSCOE MULLINS, Sculptor.

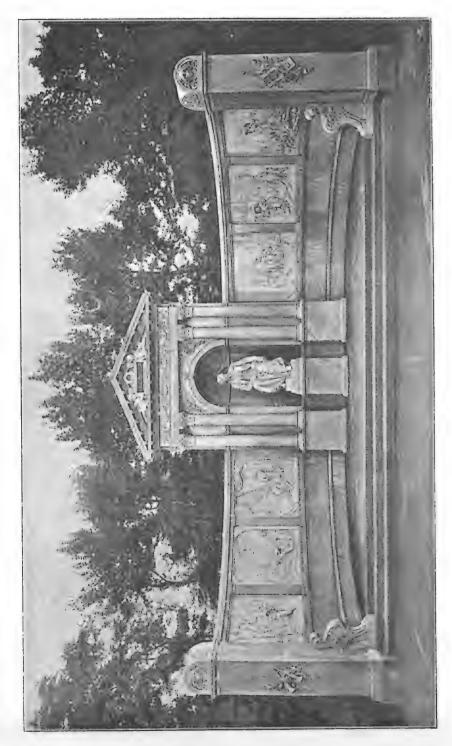


1942. A Little Student.
ALBERT TOFT, Sculptor.





Relief (terra-cotta) " To know, to be, to do," E. ROSCOE MULLINS, Sculptor. New Gallery.



Grillparzer Monument, Vienna, CARL FREIIIERR von HASENAUER, Architect, Prof. KARL KUNDMANN, Sculptor, Published by J. Löwy, Vienna.

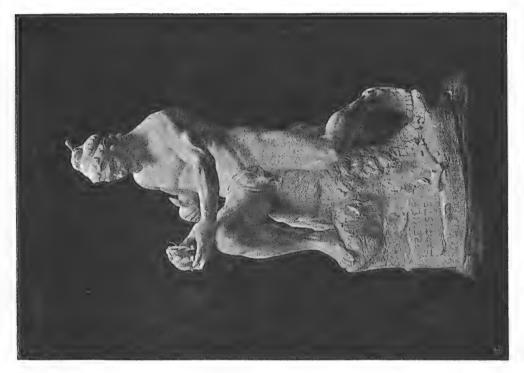




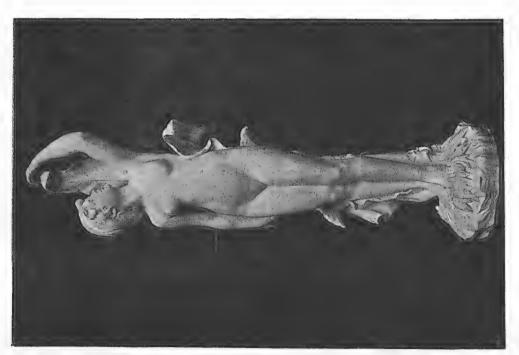
Grillparzer ' PROF R. WEYR, Sculptor, Published by I Löwy, Vienna.







Premier Artiste, PAUL RICHER, Sculptor, Paris.



"Calla" R. KISSLING, Sculptor, Zurich.

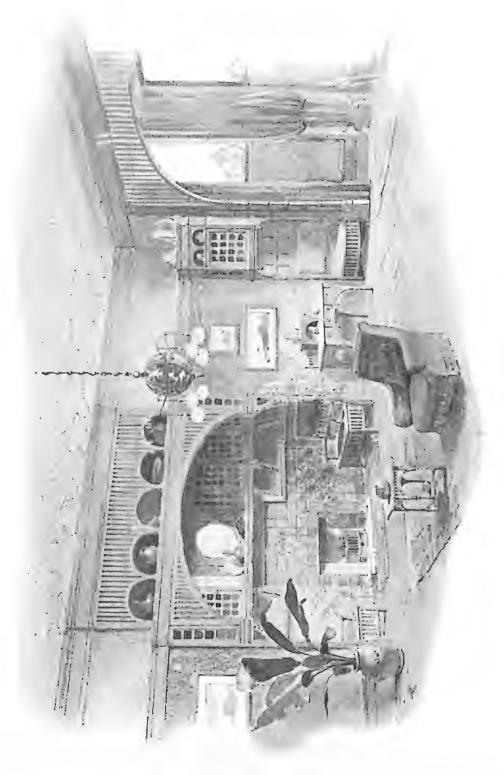


Genius of Progress, R. KISSLING, Sculptor, Zurich.

## Supplement to Academy Architecture, 1891.



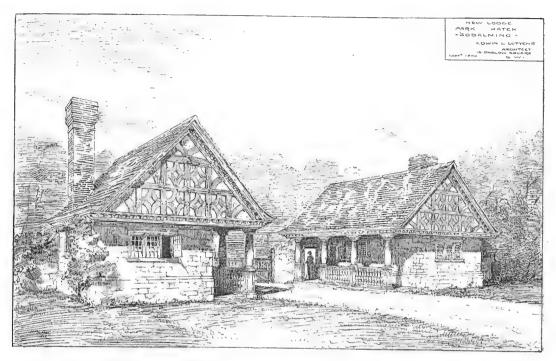
The Four Evangelists, PERCY C. H. BACON.



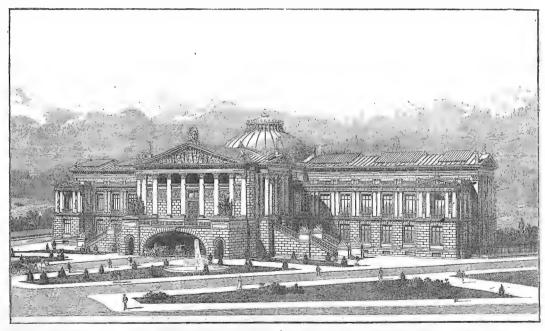


Interior, Part Cirur, Ga gray for John An Josep, WM. LEIPER, F.R.I.B.A., Architect.

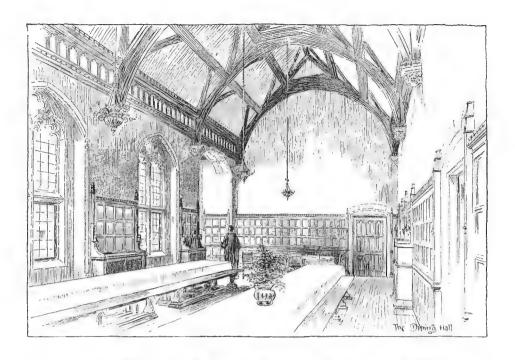
Modelling and Plaster Work-R. A. McGivray, 129 West Regent Street, Glamow.

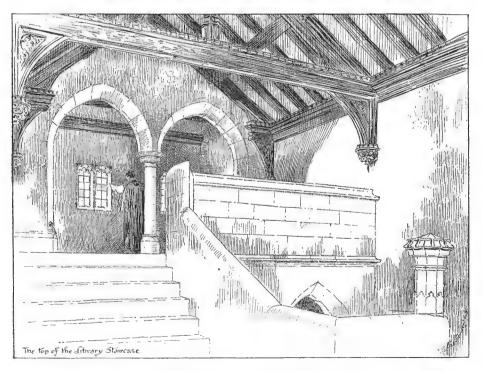


New Lodge, Park Hatch, Godalming, EDWIN L. LUTYENS, Architect.

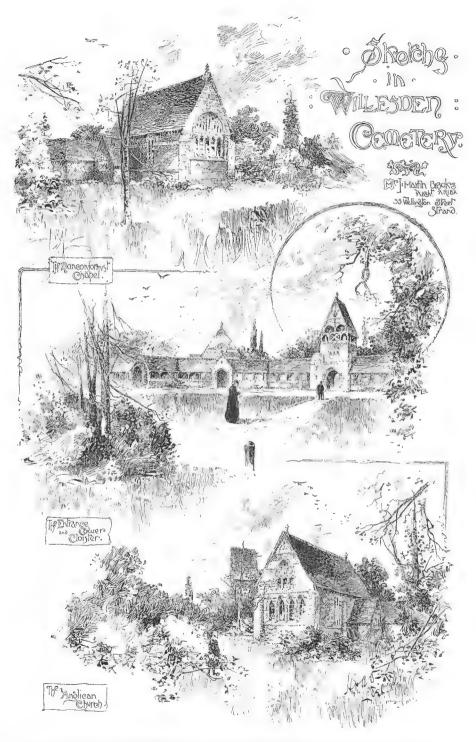


Competitive Design for the National Museum, Berne, Switzerland, from a suggestion by Lawrence Harvey, ALEX. KOCH Architect.





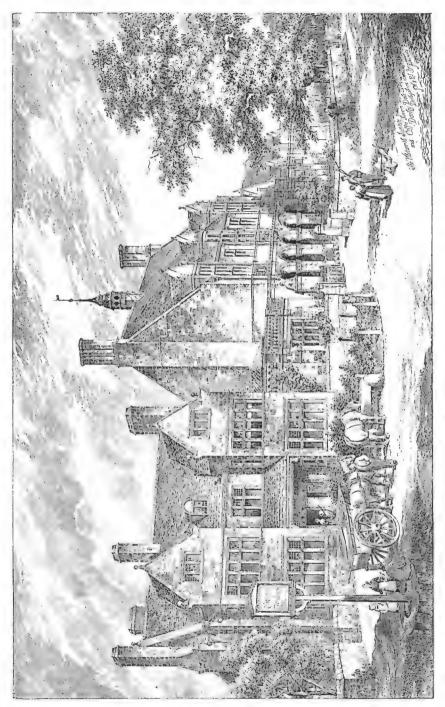
Mansfield College, Oxford (Sketches from the Interior as completed March 1891), BASIL CHAMPNEYS. B.A., Architect.



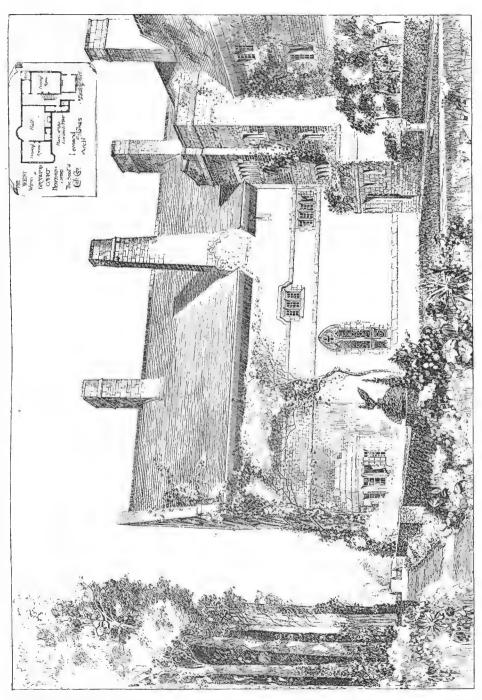
Sketches in Willesden Cemetery, J. MARTIN BROOKS, A.R.I.B.A., Architect.



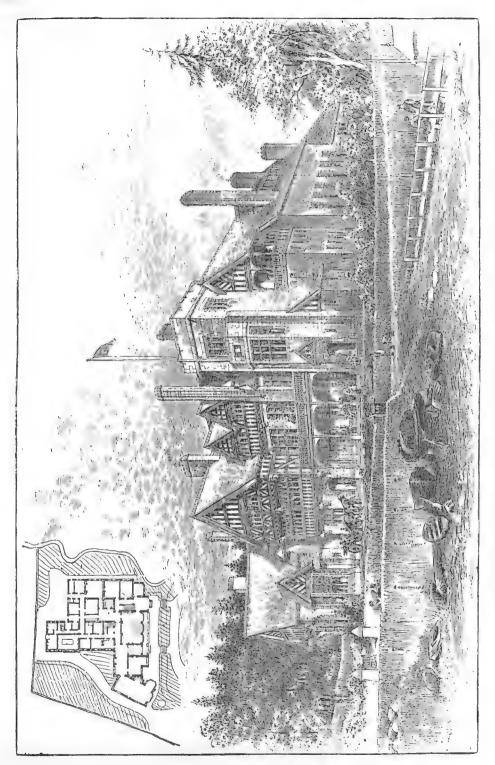
Proposed Building in St. Vincent Street, Glasgow, JOHN BURNET, SON AND CAMPBELL, Architects.



The Whitworth Institute and Coffee Tazern, Darley Dule, Derbyshire, J. W. AND R. F. BEAUMONT, Architects.



The West Wing of Broxwood Court, Hertfordshire, the Seat of Col. Cox, LEONARD STOKES, Architect.

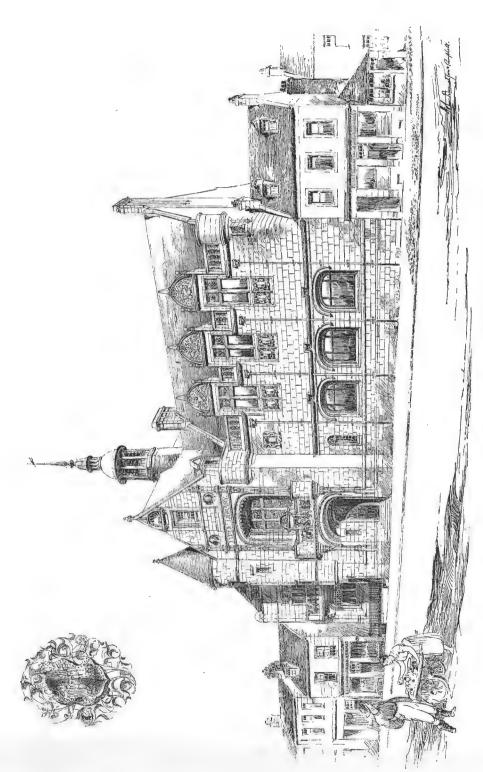


Royal Clyde Yacht Club House, Hunter's Quay, Glasgow, THOMAS L. WATSON, F R.I.B.A., Architect,

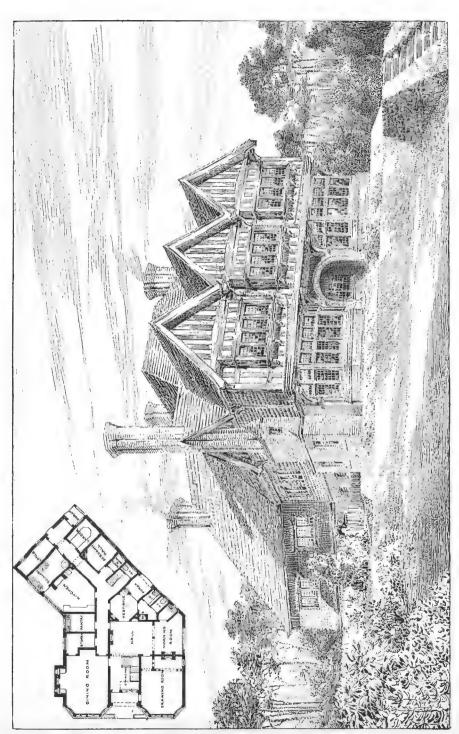


Kelly Mansion on the Clyde, WM. LEIPER, F.R.I.B.A., Architect.

Plasterers - James Caird & Co., 136 Waterloo Street, Glasgow.



Ayr Public Library, Competitive Design, JOHN BURNET, SON, AND CAMPBELL, Architects.



Country House, Enfeld, T. W. CHTUER, F.R.L.B. A., Architect.



Vicarage at Horne, Surrey, for the Rev. J. Ormsby Powell, T. MACLAREN, Architect.



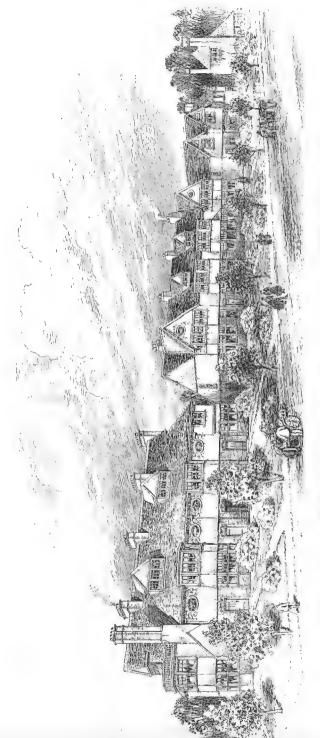
A Lodge at Moor Park for Sir William Rose, Bart., PAXTON A. WATSON, A.R.I.B.A., Architect.



House at Beckenham, Kent, ALFRED COX, Architect.



Residence for George Eastwood, Esq., ARTHUR W. COOKSEY, A.R.I.B.A., Architect.



Workmen's Cottages, Port Sunlight, for Messrs, Lever Bros., Ltd., WILLIAM OWEN, F.R.I.B.A., Architect.

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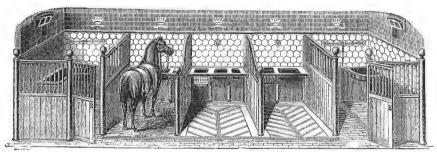
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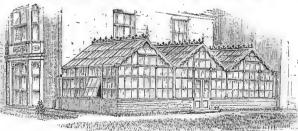




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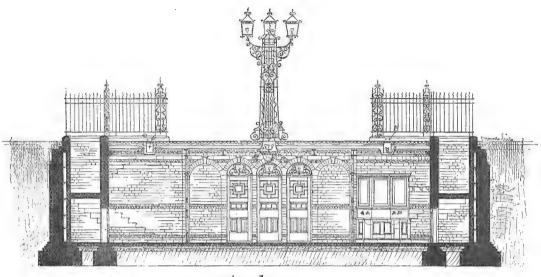
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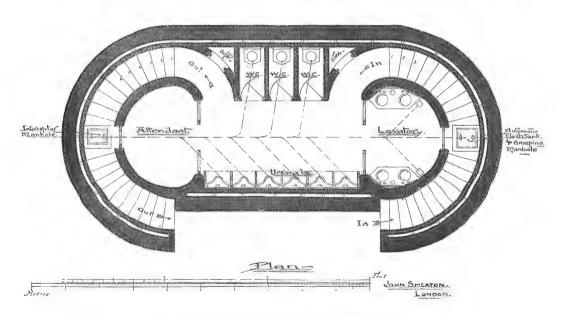
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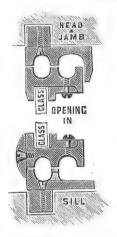
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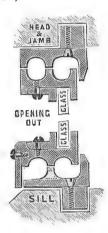
CALL LANE, LEEDS,

Manufacturers of Machine-made Steel, Wrought Iron and Gun Metal Casements.

STEEL CASEMENTS and FRAMES, Sections below are half size, (GUARANTEED WEATHER and WATER-PROOF).



When Sills are Rabbited, Fixing Fillet is dispensed with.



Hinged at side on strong brass butts opening Outwards or Inwards, and prepared to receive glass in one Square each, and with Square Heads.

Quality A are fitted with Gun Metal Lever Handles and patent Casement Stay, Polished or Bronzed; the 4ft. 6in. and upwards have our treble espagnolette Bolt Fastening with Gun Metal Sockets and Handles.

and upwards have our treble espagnolette Bolt Fastening with Gun Metal Sockets and Handles.

Quality B have Malleable Lever Handles and any of our patent Casement Stays; the 4ft. 6in. and upwards with Malleable Espagnolette Bolts.

	Quality A.	Quality B.	Fixing Fillets.	Glazing Fillets.
Under 2ft. in height	38/-	30/-	3/-	3/-
,, 3ft. ,,	 44/-	34/-	3/6	3/6
$4\frac{1}{2}$ ft.,	56/-	40/-	4/-	4/-
6ft	 70/-	50/-	4/6	4/6

Semi-Circular or Gothic Heads or the Casement curved to suit Bow or Segment Windows 10/6 each extra, the height of Casements regulate price, the width may be from 2 feet to 6 inches.

Transom Lights to above section hinged at top, bottom, or side, and fitted with any of our patent Regulators, any height to 3 feet, A quality 40/-; B quality 32/-. Fixed Transom Lights, 25/- each.

WROUGHT IRON CASEMENTS of a cheaper section for Cottages, Schools, &c., hinged at side to open outward or inwards, any width to 2 feet, and fitted with Malleable and Lever Handles and Stay.

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GLASS.

Hopper Ventilators, 1 foot 6 inches high and under, 15/- each.

Do. 2 feet high and under, 18/- each.

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Special Appliances for Opening Fan, Hopper and Lantern Lights, singly or in Ranges, either Vertical or Horizontal. Iron Skylights from 5/6 each, Casement Weather Bars, Air-Check Door Springs, Security Sash Fasteners, stops rattling in winds, Deadweight mortice, and Rim Locks, and Lock Furniture. Catalogues Free.

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Reliable Heaters, free from Dust and all unpleasant Smell.

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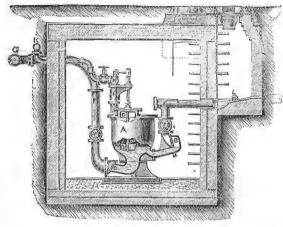
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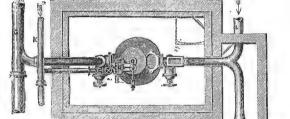
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REFERENCE.

A, Pneumatic sewage ejector; B, Sewage inlet ball-valve; C, Sewage outlet ball-valve; D, Bell actuating automatic valve; D¹, Cup actuating automatic valve; D², Spindle or rod actuating automatic valve; E, Sewage inlet-pipe; F, Sewage outlet-pipe; G, Sewage delivery main (cast iron); H, Automatic valve; I, Compressed air inlet-pipe; J, Exhaust air outlet-pipe; K, Compressed air main (cast iron); L, Gravitation stoneware pipe sewers.

#### SHONE'S PNEUMATIC EJECTORS,

For Raising Sewage, Sludge, Pail Contents, Water, &c.

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Sewage Gas not Generated. Impounding of Sewage altogether Prevented. Small Pipe ewers only required. Any number of Ejector Stations may be economically worked from one Air-Compressing Station. Each Ejector works Automatically, requiring no attention.

The above system is in operation in about fifty towns in this country and abroad, and has been applied by the English Government to the Drainage of the Houses of Parliament.

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,, .	. Church of St. Fohn the Evangelist (interior) . THOMAS C. CLARKE.
	. St. Leonard's Church, Bootle George Bradbury.
,,	(Diocesan Surveyor.)
,, .	. Liverpool College (Upper School) E. H. BANNER.
•	. Carnatic Hall, Mossley Hill JAMES RHIND.
BIRMINGHAM	. Prudential Assurance Buildings ALFRED WATERHOUSE, R.A.
	Describing Station Month Gald
"	
,,	Board Schools
,,	. New Free Livrary, Spring Hill
	. Harborne Hall Lodge )
MANCHESTER	. Board School
STOCKPORT .	. Lads' Club Alfred Darbyshire, F.R.I.B.A., and
STOCKTORY.	F. BENNETT SMITH.
BIRKENHEAD	. New Welsh Church ALDRIDGE & DEACON,
	. Welsh Baptist Church J. G. OWEN.
,,	St. Matthew's Church J. C. OGLE.
"	
23 -	Residence at Bidston GRAYSON & OULD.
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## CLARK & REA, LIMITED,

WILDERNESS WORKS, WREXHAM,

Manufacturers of Terra-Cotta, Moulded Brickwork, Flooring and Roofing Tiles, &c.



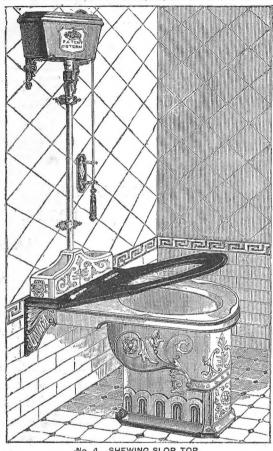
#### THOMAS W. TWYFORD,

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AND

ON

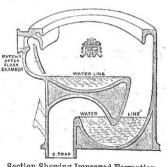
THE PERFECTION OF CLEANLINESS, UTILITY & SIMPLICITY.



No. 4. SHEWING SLOP TOP.

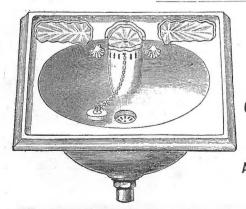
# Twyford's UNLIAS

COMBINING



Section Shewing Improved Formation of Trap.

Water Closet Basin Urinal Slop Sink.



The "IDEAL" Lavatory Basin.

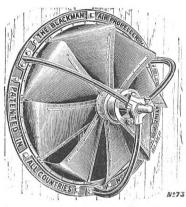
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The "CARDINAL" Lavatory Basin. PATENT.

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Fan or Air Propeller is used in the ventilation of the Public Board and other Schools or Colleges in Aberdeen, Accrington, Berlin, Copenhagen, Dundee, Durham, Edinburgh (University), Huddersfield, London, Paisley, Leicester, &c., &c.; in the Adelphi, Alhambra, Criterion, Empire, and Lyric Theatres, and the Royal Weston Music Hall, London; in several Provincial and

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